01649190 PAINT BRANCH NEAR COLLEGE PARK, MD

Potomac Basin
Middle Potomac-Anacostia-Occoquan Subbasin

LOCATION.--Lat 39°01'59.3", long 76°57'51.4" referenced to North American Datum of 1983, Montgomery County, MD, Hydrologic Unit 02070010, on left bank, upstream of Floral Drive bridge, 1.9 mi northwest of College Park and 3.4 mi northeast of Takoma Park.

DRAINAGE AREA.--13.1 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2007 to current year.

REVISED RECORDS.--WDR-US-2009: 2008(M). WDR-US-2011: 2008-2010.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 150.57 ft above North American Vertical Datum of 1988.

REMARKS.--Records good except those for estimated daily discharges (equipment malfunction), which are poor. U.S. Geological Survey gage-height telemeter at station. Low flow affected at times by slight regulation from unknown source upstream of station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 29	2115	*1,180	*5.90
Jan 31	0230	652	4.87
Jun 10	2250	913	5.42

Minimum discharge, 0.77 ft^3/s, Sept. 11, 12.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01649190, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01649190.2013.pdf

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.6	11	e4.3	e7.3	e20	9.2	8.6	8.0	5.1	e7.8	7.2	1.9
2	44	8.3	e4.3	e7.0	e12	8.3	8.0	7.1	19	6.5	4.1	2.2
3	7.1	6.8	e4.3	e6.5	e10	7.9	7.9	6.8	34	62	3.7	1.6
4	3.2	6.1	e4.3	e6.3	e9.1	7.5	7.7	6.7	11	13	3.9	1.3
5	2.4	5.6	e4.2	e6.0	e8.4	7.4	12	6.5	6.8	7.7	2.8	1.2
6	2.7	5.3	e4.2	e5.9	e7.9	45	8.0	6.5	8.2	6.4	2.9	1.1
7	2.1	5.1	e4.1	e5.7	e7.3	28	7.7	30	159	6.0	3.4	1.2
8	2.5	e5.0	e4.3	e5.5	e11	16	7.9	19	24	6.9	4.7	1.3
9	2.4	e4.8	e8.3	e5.5	e8.5	12	7.6	9.9	12	5.7	6.0	1.1
10	2.1	e4.8	e5.9	e5.3	e8.8	10	7.3	12	148	5.6	4.4	1.1
11	1.8	e4.5	e6.1	e6.2	e20	9.4	7.1	64	54	5.9	3.0	1.1
12	1.7	e4.4	e4.5	e5.9	e11	60	24	27	15	27	2.7	11
13	1.7	e22	e4.2	e5.3	e11	19	10	12	40	12	14	5.3
14	e1.8	e8.8	e4.2	e5.3	e15	12	8.1	9.6	17	11	7.5	1.7
15	e2.0	e5.9	e4.2	18	e9.2	11	7.7	8.8	10	6.2	3.7	1.4
16	e6.3	e5.2	e4.6	59	e12	10	7.5	8.3	8.4	5.1	2.8	1.5
17	e3.6	e4.6	e4.9	e17	e8.4	9.1	8.0	7.4	7.5	4.7	2.5	1.4
18	e2.9	e4.5	e6.3	e9.7	e7.2	13	8.0	7.1	8.3	5.1	2.5	1.2
19	e25	e4.4	e4.6	e7.8	e8.5	16	28	7.5	7.7	5.0	2.6	1.3
20	e16	e4.5	e7.2	e7.2	e8.1	10	39	7.6	7.0	4.2	2.5	1.3
21	e5.4	e4.4	e63	e6.7	e6.8	9.0	12	7.1	6.5	3.9	2.3	16
22	e3.8	e4.3	e12	e6.2	e6.9	8.6	9.4	6.7	6.1	3.9	2.2	15
23	e3.4	e4.2	e7.6	e5.8	e8.4	8.3	8.9	10	13	5.0	2.1	2.9
24	e3.2	e4.1	e7.6	e5.9	e7.9	8.2	8.5	19	7.5	3.9	2.2	2.1
25	e3.0	e4.1	e8.8	e5.8	e6.7	21	7.7	7.4	6.4	3.6	1.9	1.9
26	e3.0	e4.2	e79	e6.1	15	18	7.3	6.5	11	3.3	1.7	1.8
27	e3.1	e5.0	e68	e5.8	31	12	7.2	6.2	7.9	8.4	1.7	1.6
28	e3.2	e5.0	e16	e8.4	12	10	7.1	7.3	e6.6	6.7	5.4	1.8
29	e255	e4.4	e14	e7.9	---	9.4	9.4	7.1	e5.8	5.1	8.9	1.8
30	213	e4.4	e10	e16	---	8.8	10	5.7	e6.4	3.6	2.8	1.7
31	23	---	e7.8	158	---	8.8	---	5.4	---	3.3	2.2	---
Total	653.0	175.7	392.8	435.0	308.1	442.9	317.6	360.2	679.2	264.5	120.3	87.8
Mean	21.1	5.86	12.7	14.0	11.0	14.3	10.6	11.6	22.6	8.53	3.88	2.93
Max	255	22	79	158	31	60	39	64	159	62	14	16
Min	1.7	4.1	4.1	5.3	6.7	7.4	7.1	5.4	5.1	3.3	1.7	1.1
Cfsm	1.61	0.45	0.97	1.07	0.84	1.09	0.81	0.89	1.73	0.65	0.30	0.22
In.	1.85	0.50	1.12	1.24	0.87	1.26	0.90	1.02	1.93	0.75	0.34	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11.6	8.43	16.9	11.1	12.9	18.0	16.3	17.2	14.1	7.12	8.84	9.53
Max	21.1	14.9	35.5	15.6	18.8	30.8	21.7	31.5	30.8	11.3	20.5	24.7
(WY)	(2013)	(2010)	(2010)	(2010)	(2010)	(2010)	(2008)	(2008)	(2009)	(2010)	(2011)	(2011)
Min	4.07	3.41	7.21	5.32	5.31	7.98	9.53	7.99	5.37	4.89	1.49	2.93
(WY)	(2009)	(2008)	(2008)	(2008)	(2009)	(2009)	(2012)	(2012)	(2011)	(2008)	(2008)	(2013)

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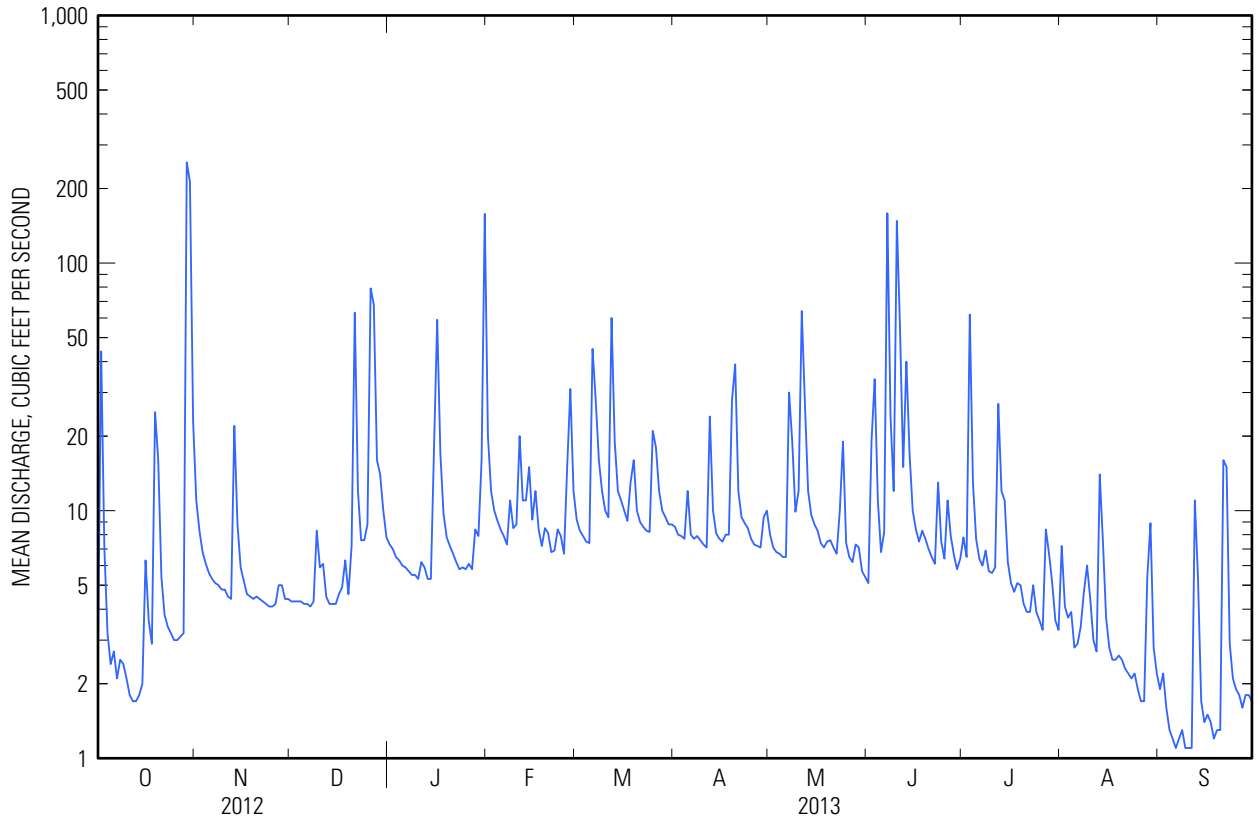
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2008 - 2013	
Annual total	3,642.55		4,237.1			
Annual mean	9.95		11.6		12.7	
Highest annual mean					17.0	2010
Lowest annual mean					10.6	2008
Highest daily mean	[e]255	Oct 29	[e]255	Oct 29	287	May 12, 2008
Lowest daily mean	0.69	Sep 17	1.1	Sep 6 [a]	0.15	Oct 12, 2007
Annual seven-day minimum	0.99	Sep 11	1.2	Sep 5	0.30	Oct 9, 2007
Maximum peak flow			1,180	Oct 29	[b]3,930	Aug 14, 2011
Maximum peak stage			5.90	Oct 29	8.85	Aug 14, 2011
Instantaneous low flow			0.77	Sep 11 [c]	0.04	Jul 8, 2012
Annual runoff (cfsm)	0.760		0.886		0.967	
Annual runoff (inches)	10.34		12.03		13.14	
10 percent exceeds	13		18		22	
50 percent exceeds	6.3		6.9		7.2	
90 percent exceeds	1.6		2.2		2.3	

[e] Estimated.
[a] Sept. 6, 9-11.
[b] From rating curve extended above 260 ft³/s on basis of slope-area measurement of peak flow.
[c] Sept. 11, 12.



01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2007 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: September 2007 to current year.
WATER TEMPERATURE: September 2007 to current year.
pH: September 2007 to current year.
TURBIDITY: September 2007 to current year.
DISSOLVED OXYGEN: September 2007 to current year.

INSTRUMENTATION.--Water-quality monitor and automatic sampler September 2007 to current year.

REMARKS.--Beginning March 2008 to present, all nutrient parameters are analyzed by the USGS National Water Quality Laboratory (NWQL) in Denver, Colorado. Bacteria parameters 50569 and 50468 are analyzed at the USGS MD-DE-DC Water Science Center (WSC) in Baltimore, Maryland. All suspended-sediment data (parameters 80154 and 70331) are analyzed at the USGS Sediment Laboratory in Louisville, Kentucky for period of record.

Turbidity values greater than 1,000 formazin nepthelometric units (FNU) exceed the instrument calibration range. Values are included in the record but are presumed to have lower precision.

Low-level concentrations of ammonia filtered, milligrams/liter (mg/L) as N (00608) may be affected by background contamination on the order of + or - 0.05 mg/L. These data are coded with a “V”, and values are uncorrected.

Sample type "Other QA" indicates multiple measurements made across the stream for field parameters and on occasion suspended sediment to establish cross-sectional heterogeneity.

Missing record due to periodic instrument malfunction.

EWI, Equal-width increment.

COOPERATION.--Funding for water-quality data collection and analysis is provided by the Montgomery County Department of Environmental Protection and the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 13,000 microsiemens per centimeter, February 22, 2008; minimum, 15 microsiemens per centimeter, August 14, 2011.
WATER TEMPERATURE: Maximum, 28°C, July 22, 2011; minimum, -0.2°C, on several days.
pH: Maximum, 10.0 standard units, April 28, 2012; minimum, 6.8 standard units, on several days.
TURBIDITY: Maximum, 1,380 formazin nephelometric units (FNU), Oct. 29, 2013; minimum, 0.0 formazin nephelometric units (FNU), on several days.
DISSOLVED OXYGEN: Maximum, 16.7 milligrams per liter, February 12, 2008; minimum, 6.4 milligrams per liter, on October 13, 2007, June 11, 2011, November 11, 2011.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 6,550 microsiemens/cm, Jan. 28; minimum, 18 microsiemens/cm, June 10.
WATER TEMPERATURE: Maximum, 27.2°C, July 19; minimum, 0.0°C, on several days.
pH: Maximum, 8.2 standard units, Apr. 11, 16; minimum, 6.8 standard units, Jan. 31.
TURBIDITY: Maximum, 1,380 FNU, Oct. 29; minimum, 0.0 FNU, on many days.
DISSOLVED OXYGEN: Maximum, 15.6 mg/L, Jan. 4, 5; minimum, 7.3 mg/L, July 19, 20, Sept. 3.

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	255	209	220	205	178	194	250	230	242	280	270	273
2	217	86	144	219	205	212	242	238	240	270	266	268
3	157	113	137	227	218	224	242	238	240	268	263	265
4	185	157	171	232	226	228	241	237	239	271	264	268
5	199	185	192	237	232	233	240	238	239	269	262	266
6	210	199	206	239	237	238	242	239	241	262	257	259
7	239	210	216	239	237	238	243	240	242	265	258	260
8	260	226	240	245	237	240	242	238	241	261	259	260
9	259	225	233	241	236	240	275	238	246	262	258	259
10	251	227	232	242	240	241	254	232	237	259	253	256
11	230	228	229	245	241	243	256	231	238	270	253	255
12	246	230	238	246	244	245	241	231	235	294	253	266
13	245	240	241	265	161	192	234	232	233	253	248	250
14	240	237	238	200	189	195	238	234	237	253	251	252
15	282	235	240	219	200	209	240	235	237	286	208	237
16	235	207	214	230	219	225	236	231	233	208	146	176
17	214	208	210	234	230	233	247	232	238	222	197	212
18	224	214	220	232	219	223	261	235	241	233	222	228
19	225	77	140	238	225	232	238	226	231	236	233	235
20	152	107	132	240	238	240	235	155	229	244	235	238
21	177	152	164	240	237	239	155	81	116	245	241	243
22	198	177	188	241	239	240	183	150	168	248	244	246
23	211	198	204	245	241	243	205	183	195	261	247	254
24	222	211	217	246	242	244	243	205	211	482	251	292
25	235	222	230	244	242	243	216	198	207	598	370	492
26	241	232	236	267	244	252	1,920	206	413	2,130	577	1,390
27	248	240	246	269	238	248	291	233	269	1,970	1,300	1,630
28	250	247	249	255	236	242	298	285	293	6,550	1,130	2,760
29	---	---	---	241	236	238	492	277	318	4,820	2,090	3,320
30	---	---	---	243	238	241	313	276	282	2,130	904	1,870
31	---	---	---	---	---	---	281	277	279	904	355	571
Month	---	---	---	269	161	232	1,920	81	242	6,550	146	582

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

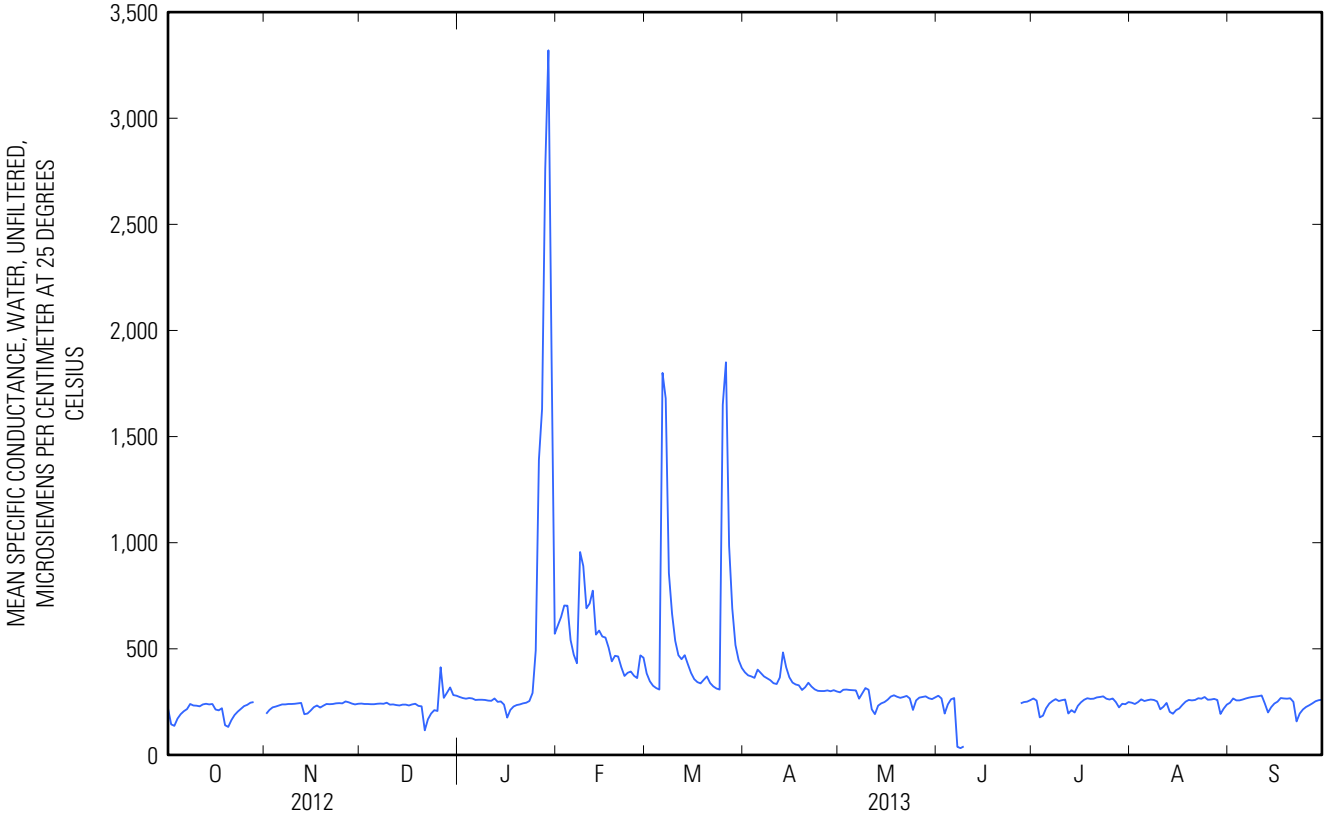
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	663	573	611	415	362	384	401	382	389	302	291	295
2	696	603	650	362	334	347	383	365	375	311	302	307
3	826	595	704	334	320	326	387	359	370	311	306	308
4	823	597	703	321	310	315	387	352	363	307	304	306
5	597	497	541	312	303	308	447	349	402	306	303	305
6	497	449	472	3,760	299	1,800	394	376	386	306	303	304
7	449	418	432	2,740	968	1,680	381	359	370	318	189	265
8	1,600	401	956	968	759	857	378	347	361	309	261	290
9	1,040	848	890	759	588	666	376	343	352	318	309	315
10	848	561	691	588	498	538	343	336	338	315	205	307
11	911	505	713	498	447	470	338	331	334	283	105	215
12	871	646	774	696	376	451	466	246	365	221	146	192
13	646	485	567	494	445	470	500	455	483	241	221	232
14	635	533	586	455	405	427	455	383	413	247	240	243
15	622	485	558	434	367	386	383	353	366	254	246	249
16	674	476	553	367	348	357	353	335	341	269	253	260
17	523	479	505	349	338	343	337	326	332	282	269	275
18	479	412	441	399	322	337	347	322	328	284	278	281
19	757	377	467	381	318	354	329	195	306	279	271	274
20	505	435	464	385	353	370	342	220	319	277	266	269
21	435	392	413	353	331	339	347	331	340	280	268	273
22	392	359	372	331	318	323	331	315	322	279	275	278
23	480	352	387	319	309	313	315	305	309	275	150	266
24	426	384	393	311	305	308	308	299	302	244	150	212
25	387	360	373	3,790	300	1,650	304	299	301	268	244	257
26	444	335	362	2,290	1,380	1,850	304	298	301	274	268	270
27	501	313	469	1,380	833	985	306	301	304	274	272	273
28	490	415	458	833	577	690	303	298	300	288	265	276
29	---	---	---	577	473	518	324	296	305	271	259	267
30	---	---	---	473	427	447	305	294	299	269	257	263
31	---	---	---	427	399	410	---	---	---	277	268	271
Month	1,600	313	554	3,790	299	614	500	195	346	318	105	271

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	285	276	279	299	247	266	286	216	246	249	242	246
2	290	170	266	259	253	256	246	236	240	305	248	266
3	222	136	195	269	100	177	253	244	249	261	256	257
4	252	222	238	205	156	185	298	252	262	258	256	257
5	271	252	262	233	205	220	255	252	254	264	258	261
6	302	210	268	249	233	242	263	255	258	269	264	266
7	225	19	38	262	249	254	263	260	261	271	268	270
8	37	27	32	298	252	263	299	250	259	274	271	273
9	43	37	40	258	248	254	287	230	252	277	273	275
10	---	---	---	261	256	258	232	209	215	278	277	277
11	---	---	---	268	257	261	239	218	227	281	278	280
12	---	---	---	273	149	195	250	239	245	285	103	242
13	---	---	---	222	165	211	255	112	203	214	183	200
14	---	---	---	229	180	200	217	135	194	234	214	225
15	---	---	---	240	222	231	214	208	211	248	234	242
16	---	---	---	255	240	248	234	211	219	256	248	251
17	---	---	---	266	255	260	242	234	236	276	256	268
18	---	---	---	284	264	267	260	242	251	270	264	266
19	---	---	---	284	256	264	262	257	259	266	265	265
20	---	---	---	269	262	265	258	256	257	270	265	267
21	---	---	---	272	269	271	261	258	259	277	97	250
22	---	---	---	274	271	273	276	261	267	182	123	158
23	---	---	---	315	266	276	268	262	265	206	182	195
24	---	---	---	271	263	265	296	262	273	221	206	214
25	---	---	---	266	259	261	263	259	260	230	221	226
26	---	---	---	268	262	266	263	260	261	240	230	234
27	253	213	243	270	166	249	265	263	264	247	240	243
28	276	221	249	241	176	224	271	171	259	257	247	253
29	256	230	251	245	237	241	207	177	193	259	257	258
30	265	252	258	245	235	239	231	207	218	260	259	260
31	---	---	---	254	245	249	242	231	237	---	---	---
Month	---	---	---	315	100	245	299	112	244	305	97	248

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued



01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	16.3	14.6	15.6	10.5	9.7	10	5.2	3.2	4.2	4.2	3.1	3.6
2	18.0	16.3	17.3	9.9	8.8	9.4	6.2	4.1	5.0	4.1	2.4	3.5
3	19.4	18.0	18.7	9.2	8.3	8.8	8.1	5.8	6.9	2.4	1.4	1.9
4	19.9	19.0	19.4	8.7	7.2	8.0	9.6	7.4	8.5	2.3	0.6	1.5
5	19.1	17.7	18.5	8.4	7.0	7.8	9.6	7.9	9.1	2.6	0.9	1.8
6	18.3	16.2	17.7	7.1	5.7	6.5	7.9	4.9	6.0	4.3	2.2	3.1
7	16.2	13.4	14.6	6.9	6.2	6.6	6.6	4.5	5.4	4.9	3.4	4.2
8	13.4	12.2	12.6	7.3	6.1	6.8	8.4	6.6	7.6	3.9	2.0	3.0
9	13.4	11.9	12.6	7.8	5.9	6.8	9.0	8.2	8.6	3.8	2.2	3.1
10	14.7	13.4	14.0	8.7	6.1	7.4	10.0	8.7	9.3	5.0	3.0	4.0
11	14.1	12.0	12.9	9.4	7.2	8.3	10.0	7.9	9.3	5.2	3.9	4.5
12	12.5	11.0	11.7	11.0	8.0	9.5	7.9	6.4	7.0	7.4	5.2	6.2
13	11.2	9.8	10.4	11.3	8.3	10.2	6.4	4.7	5.6	7.7	6.7	7.1
14	12.8	10.1	11.3	8.3	6.4	7.2	4.7	3.2	4.0	8.6	7.7	8.2
15	14.5	12.8	13.7	7.8	6.0	6.9	5.2	3.3	4.2	8.1	6.2	7.1
16	14.1	12.4	13.3	7.8	6.5	7.1	6.9	5.2	6.0	6.2	5.3	5.6
17	12.7	11.2	12.1	6.8	5.2	6.1	8.2	6.9	7.5	6.3	5.7	6.0
18	13.9	11.7	12.8	7.1	5.1	6.2	9.0	7.6	8.4	5.7	3.1	4.5
19	17.7	13.9	15.7	8.5	6.9	7.7	7.6	5.9	6.8	4.6	2.4	3.4
20	16.3	13.9	14.9	9.0	7.3	8.1	7.2	5.7	6.3	5.6	3.3	4.3
21	13.9	12.6	13.2	8.2	6.6	7.4	9.0	6.0	7.8	4.2	2.9	3.6
22	13.0	11.4	12.3	6.8	5.2	6.1	6.0	4.2	5.1	2.9	0.0	0.9
23	14.2	11.9	13.1	7.2	4.8	6.0	4.2	2.9	3.6	0.3	0.0	0.1
24	15.6	13.7	14.7	6.9	4.9	5.8	3.6	2.4	3.0	0.4	0.0	0.1
25	16.0	15.4	15.6	4.9	3.6	4.3	5.0	3.4	4.1	0.1	0.0	0.0
26	16.4	15.6	16.0	4.8	2.9	3.8	4.5	2.3	3.4	0.3	0.0	0.1
27	16.4	15.3	15.8	5.2	4.3	4.8	4.5	3.9	4.2	0.5	0.0	0.1
28	15.6	13.9	14.8	5.1	4.1	4.6	4.6	3.3	3.9	0.2	0.1	0.1
29	---	---	---	4.1	2.7	3.6	4.3	3.7	3.9	3.4	0.2	1.7
30	---	---	---	4.3	2.4	3.4	4.0	2.8	3.6	10.6	3.3	5.7
31	---	---	---	---	---	---	3.5	2.1	2.8	10.6	5.4	8.5
Month	---	---	---	11.3	2.4	6.8	10.0	2.1	5.8	10.6	0.0	3.5

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

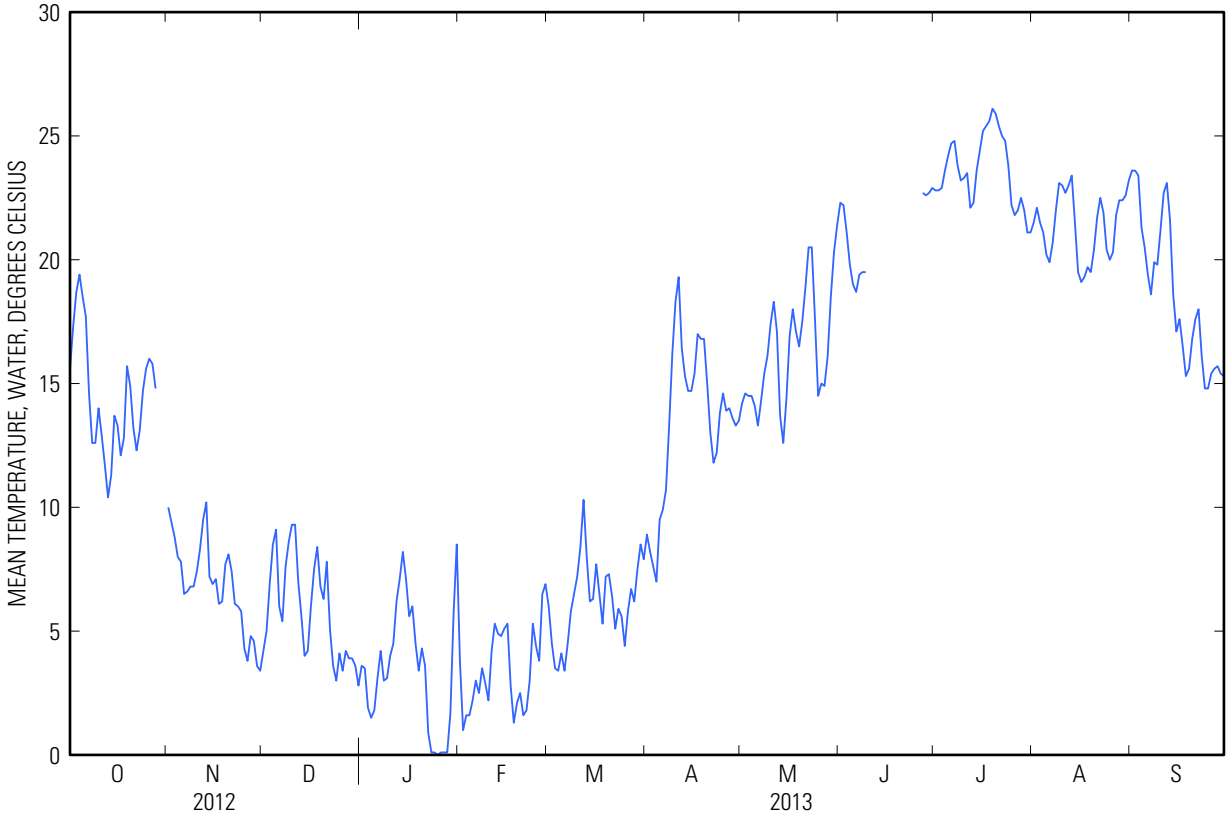
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	5.4	1.7	3.8	6.4	5.4	6.0	11.3	6.7	8.9	16.4	12.1	14.2
2	1.7	0.2	1.0	5.4	3.6	4.5	10.6	6.0	8.2	16.7	12.6	14.6
3	2.4	0.6	1.6	4.7	2.5	3.5	10.2	5.3	7.6	16.3	12.9	14.5
4	2.3	0.8	1.6	5.1	1.8	3.4	9.0	4.9	7.0	16.5	12.8	14.5
5	3.0	1.6	2.2	6.0	2.4	4.1	12.7	6.8	9.5	15.5	12.6	14.1
6	4.1	2.1	3.0	5.1	2.6	3.4	12.5	7.5	9.9	13.8	12.8	13.3
7	3.0	1.8	2.5	6.6	2.7	4.5	13.5	8.1	10.7	15.1	13.6	14.3
8	4.3	2.7	3.5	7.6	4.2	5.8	16.3	10.6	13.3	16.7	14.5	15.4
9	3.7	1.9	2.9	8.9	4.4	6.5	19.4	13.2	16.2	17.8	14.6	16.1
10	3.6	0.8	2.2	9.5	4.9	7.2	21.4	15.3	18.3	19.4	15.4	17.4
11	5.3	3.0	4.2	9.9	7.0	8.4	22.0	17.0	19.3	20.1	17.3	18.3
12	6.9	4.0	5.3	11.8	9.2	10.3	18.4	14.4	16.4	18.4	15.0	17.1
13	5.7	4.0	4.9	9.2	6.7	8.0	17.4	13.3	15.3	15.0	12.6	13.7
14	6.2	3.6	4.8	8.1	4.7	6.2	17.1	12.4	14.7	14.4	10.9	12.6
15	6.9	3.4	5.1	8.5	4.2	6.3	15.7	13.8	14.7	16.5	12.8	14.4
16	5.9	4.3	5.3	9.2	6.6	7.7	17.4	13.7	15.4	18.3	15.6	16.9
17	4.3	1.4	2.8	7.7	5.9	6.5	18.7	15.4	17.0	19.8	16.4	18.0
18	2.8	0.0	1.3	5.9	5.0	5.3	17.7	15.9	16.8	18.2	16.3	17.1
19	3.2	1.2	2.1	10.1	5.2	7.2	18.3	15.9	16.8	17.2	16.0	16.5
20	3.4	1.5	2.5	9.2	5.2	7.3	16.4	13.5	15.0	18.7	16.7	17.5
21	3.1	0.2	1.6	7.5	4.8	6.4	15.0	11.2	13.0	20.4	17.8	18.9
22	2.2	1.2	1.8	7.3	3.2	5.1	13.4	10.2	11.8	22.3	18.9	20.5
23	4.3	2.1	3.0	8.6	3.5	5.9	13.7	11.0	12.2	21.1	19.9	20.5
24	7.1	4.3	5.3	6.4	4.7	5.6	16.8	10.9	13.8	20.1	14.8	17.6
25	5.8	3.0	4.4	5.4	3.3	4.4	16.4	12.8	14.6	16.0	13.0	14.5
26	5.2	3.0	3.8	7.8	3.8	5.8	16.1	11.9	13.9	16.8	13.3	15.0
27	8.2	5.2	6.5	8.4	5.2	6.7	16.4	11.7	14.0	15.8	13.7	14.9
28	7.5	6.3	6.9	7.3	5.0	6.2	14.3	12.4	13.6	17.7	14.8	16.1
29	---	---	---	9.6	5.7	7.5	13.7	13.0	13.3	20.4	16.8	18.5
30	---	---	---	11.2	6.0	8.5	14.0	13.2	13.5	21.8	18.8	20.3
31	---	---	---	8.5	7.2	7.9	---	---	---	23.2	19.7	21.4
Month	8.2	0.0	3.4	11.8	1.8	6.2	22.0	4.9	13.5	23.2	10.9	16.4

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	23.9	20.7	22.3	23.4	22.3	22.8	22.1	20.8	21.5	24.2	22.7	23.6
2	22.9	21.2	22.2	23.3	22.4	22.8	23.2	20.9	22.1	24.0	22.8	23.6
3	21.8	20.6	21.1	23.6	22.0	22.9	22.5	21.0	21.5	23.9	22.5	23.4
4	20.9	18.6	19.8	24.7	22.7	23.6	21.9	20.1	21.1	22.5	20.6	21.3
5	20.5	17.4	19.0	25.5	23.0	24.2	20.9	19.2	20.2	21.2	19.8	20.5
6	19.2	18.2	18.7	26.1	23.4	24.7	20.4	19.6	19.9	20.3	18.6	19.4
7	19.9	18.6	19.4	26.0	23.8	24.8	21.6	20.0	20.7	19.4	17.5	18.6
8	20.5	18.7	19.5	24.5	23.0	23.8	22.8	21.1	22.0	20.7	19.1	19.9
9	20.3	18.7	19.5	23.6	22.8	23.2	24.1	22.2	23.1	20.4	19.2	19.8
10	---	---	---	24.1	22.8	23.3	23.3	22.6	23.0	22.3	20.0	21.2
11	---	---	---	24.3	22.8	23.5	23.4	21.8	22.7	23.6	21.9	22.7
12	---	---	---	23.5	21.6	22.1	23.8	21.9	23.0	24.3	22.6	23.1
13	---	---	---	23.6	21.4	22.3	24.1	22.8	23.4	22.6	20.4	21.6
14	---	---	---	25.0	22.4	23.6	23.5	19.9	21.5	20.4	17.4	18.6
15	---	---	---	25.8	23.0	24.4	20.4	18.3	19.5	17.7	16.0	17.1
16	---	---	---	26.4	24.0	25.2	20.0	18.1	19.1	18.0	17.3	17.6
17	---	---	---	26.6	24.2	25.4	20.1	18.2	19.3	17.5	15.6	16.5
18	---	---	---	26.7	24.5	25.6	19.9	19.4	19.7	15.8	14.4	15.3
19	---	---	---	27.2	25.0	26.1	20.1	18.9	19.5	16.5	14.6	15.6
20	---	---	---	26.7	25.0	25.9	21.5	19.2	20.4	17.6	15.8	16.8
21	---	---	---	26.0	24.4	25.4	22.5	20.8	21.7	19.4	16.9	17.6
22	---	---	---	25.8	24.2	25.0	23.3	21.7	22.5	18.8	17.1	18.0
23	---	---	---	25.6	23.9	24.8	22.9	20.8	21.9	17.1	15.4	16.1
24	---	---	---	24.6	23.2	23.8	20.9	19.5	20.4	15.4	13.9	14.8
25	---	---	---	23.2	21.1	22.2	20.6	19.0	20.0	15.4	13.9	14.8
26	---	---	---	22.6	20.7	21.8	21.3	19.1	20.3	16.0	14.6	15.4
27	23.4	22.0	22.7	23.4	20.9	22.0	22.7	20.8	21.8	16.0	15.2	15.6
28	23.4	21.9	22.6	23.2	21.8	22.5	22.6	22.1	22.4	16.1	15.2	15.7
29	24.1	21.3	22.7	22.8	21.0	22.0	23.0	21.9	22.4	15.9	14.7	15.4
30	23.7	22.1	22.9	21.9	20.0	21.1	23.4	21.7	22.6	15.9	14.5	15.3
31	---	---	---	21.7	20.4	21.1	24.0	22.2	23.2	---	---	---
Month	---	---	---	27.2	20.0	23.6	24.1	18.1	21.4	24.3	13.9	18.5

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued



01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		October			November			December			January	
1	7.4	7.2	7.3	7.4	7.3	7.4	7.7	7.4	7.5	7.6	7.5	7.5
2	7.3	7.0	7.1	7.4	7.3	7.4	7.6	7.4	7.5	7.6	7.5	7.5
3	7.6	7.1	7.3	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.5	7.5
4	7.6	7.3	7.5	7.6	7.5	7.5	7.8	7.4	7.5	7.6	7.5	7.5
5	7.6	7.5	7.5	7.6	7.5	7.5	7.8	7.4	7.5	7.6	7.5	7.5
6	7.6	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.6	7.6	7.5	7.5
7	7.5	7.4	7.5	7.6	7.5	7.5	7.8	7.5	7.5	7.7	7.5	7.5
8	7.6	7.4	7.5	7.6	7.5	7.5	7.9	7.5	7.6	7.7	7.4	7.5
9	7.7	7.5	7.5	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5
10	7.6	7.5	7.5	7.6	7.5	7.5	7.7	7.4	7.5	8.1	7.5	7.6
11	7.6	7.4	7.5	7.6	7.5	7.5	7.9	7.5	7.6	7.7	7.5	7.6
12	7.6	7.4	7.5	7.6	7.5	7.5	7.8	7.5	7.6	7.7	7.3	7.4
13	7.6	7.4	7.5	7.5	7.5	7.5	7.7	7.5	7.6	7.6	7.3	7.3
14	7.6	7.4	7.5	7.6	7.5	7.5	7.7	7.4	7.5	7.5	7.3	7.3
15	7.5	7.4	7.5	7.6	7.5	7.5	7.7	7.4	7.5	7.5	7.3	7.4
16	7.7	7.4	7.5	7.6	7.5	7.5	7.8	7.5	7.6	7.3	7.2	7.3
17	7.7	7.5	7.6	7.6	7.5	7.5	7.7	7.5	7.5	7.4	7.2	7.3
18	7.8	7.6	7.7	7.6	7.4	7.5	7.8	7.5	7.6	7.4	7.2	7.3
19	7.8	7.6	7.7	7.7	7.5	7.5	7.8	7.5	7.6	7.4	7.2	7.3
20	7.7	7.5	7.7	7.7	7.5	7.5	7.8	7.5	7.6	7.4	7.2	7.3
21	7.6	7.4	7.5	7.7	7.4	7.5	7.5	7.2	7.4	7.5	7.2	7.3
22	7.6	7.4	7.5	7.6	7.4	7.5	7.5	7.4	7.5	7.4	7.2	7.3
23	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.4	7.1	7.2
24	7.6	7.4	7.4	7.7	7.5	7.5	7.5	7.4	7.5	7.3	7.1	7.2
25	7.5	7.3	7.4	7.7	7.5	7.5	7.6	7.5	7.5	7.3	7.0	7.1
26	7.5	7.3	7.4	7.6	7.4	7.5	7.5	7.2	7.5	7.3	7.0	7.1
27	7.6	7.3	7.4	7.6	7.4	7.5	7.4	7.2	7.4	7.3	7.0	7.1
28	7.5	7.3	7.4	7.6	7.4	7.5	7.5	7.4	7.4	7.1	7.0	7.0
29	---	---	---	7.6	7.4	7.5	7.6	7.4	7.5	7.2	7.0	7.0
30	---	---	---	7.6	7.4	7.5	7.6	7.5	7.5	7.5	7.0	7.1
31	---	---	---	---	---	---	7.6	7.5	7.5	7.1	6.8	7.0
Max	---	---	---	7.7	7.5	7.6	7.9	7.5	7.6	8.1	7.5	7.6
Min	---	---	---	7.4	7.3	7.4	7.4	7.2	7.4	7.1	6.8	7.0

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

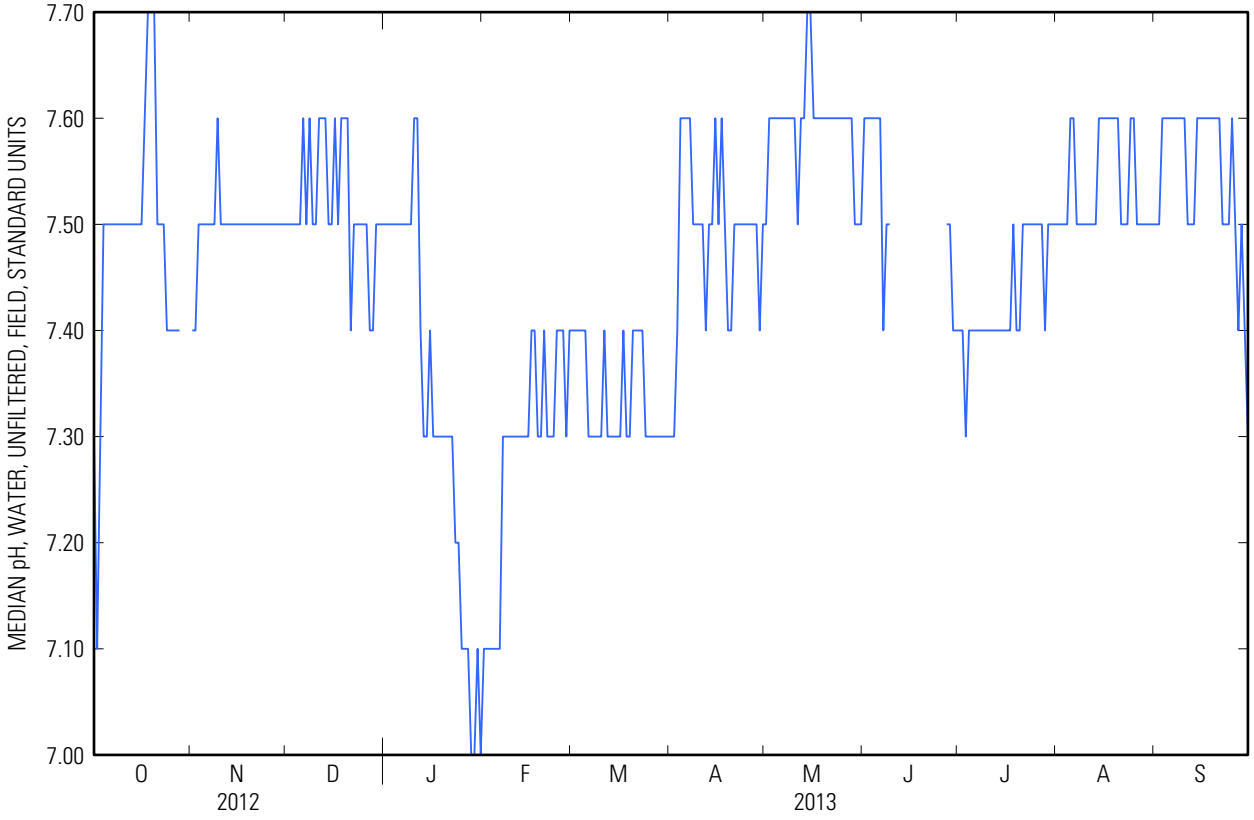
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		February			March			April			May	
1	7.1	7.0	7.1	7.6	7.3	7.4	7.6	7.2	7.3	7.9	7.4	7.5
2	7.1	7.1	7.1	7.6	7.3	7.4	7.5	7.2	7.3	7.9	7.4	7.6
3	7.1	7.1	7.1	7.6	7.3	7.4	7.8	7.3	7.4	7.9	7.4	7.6
4	7.3	7.1	7.1	7.5	7.3	7.4	7.8	7.4	7.6	7.8	7.5	7.6
5	7.3	7.1	7.1	7.6	7.3	7.4	7.9	7.4	7.6	8.0	7.5	7.6
6	7.3	7.1	7.1	7.3	7.2	7.3	7.9	7.4	7.6	7.8	7.6	7.6
7	7.3	7.1	7.3	7.4	7.2	7.3	7.9	7.4	7.6	7.6	7.6	7.6
8	7.3	7.1	7.3	7.5	7.3	7.3	8.0	7.4	7.5	7.7	7.5	7.6
9	7.3	7.1	7.3	7.6	7.3	7.3	8.0	7.4	7.5	7.8	7.5	7.6
10	7.4	7.1	7.3	7.6	7.2	7.3	8.1	7.4	7.5	7.8	7.5	7.6
11	7.3	7.1	7.3	7.7	7.3	7.4	8.2	7.4	7.5	7.6	7.3	7.5
12	7.4	7.1	7.3	7.5	7.2	7.3	7.6	7.4	7.4	7.6	7.5	7.6
13	7.5	7.3	7.3	7.5	7.3	7.3	7.9	7.4	7.5	7.7	7.6	7.6
14	7.5	7.3	7.3	7.5	7.3	7.3	8.1	7.4	7.5	7.8	7.7	7.7
15	7.5	7.3	7.3	7.5	7.3	7.3	8.1	7.4	7.6	7.8	7.6	7.7
16	7.5	7.3	7.4	7.6	7.3	7.3	8.2	7.4	7.5	7.8	7.5	7.6
17	7.5	7.3	7.4	7.6	7.3	7.4	8.0	7.4	7.6	7.8	7.6	7.6
18	7.5	7.3	7.3	7.5	7.3	7.3	7.8	7.4	7.5	7.7	7.6	7.6
19	7.5	7.3	7.3	7.6	7.3	7.3	7.7	7.3	7.4	7.7	7.6	7.6
20	7.5	7.3	7.4	7.6	7.3	7.4	7.6	7.3	7.4	7.7	7.5	7.6
21	7.5	7.3	7.3	7.6	7.3	7.4	7.8	7.4	7.5	7.7	7.5	7.6
22	7.5	7.3	7.3	7.5	7.3	7.4	7.8	7.4	7.5	7.8	7.5	7.6
23	7.5	7.3	7.3	7.6	7.3	7.4	7.9	7.4	7.5	7.7	7.6	7.6
24	7.6	7.3	7.4	7.6	7.3	7.3	7.9	7.4	7.5	7.6	7.5	7.6
25	7.6	7.3	7.4	7.4	7.3	7.3	7.9	7.4	7.5	7.7	7.6	7.6
26	7.5	7.3	7.4	7.4	7.2	7.3	7.9	7.4	7.5	7.7	7.6	7.6
27	7.5	7.3	7.3	7.5	7.3	7.3	7.9	7.4	7.5	7.7	7.6	7.6
28	7.6	7.3	7.4	7.5	7.3	7.3	7.8	7.4	7.5	7.7	7.4	7.6
29	---	---	---	7.5	7.3	7.3	7.6	7.4	7.4	7.6	7.4	7.5
30	---	---	---	7.5	7.2	7.3	7.7	7.4	7.5	7.7	7.5	7.5
31	---	---	---	7.4	7.2	7.3	---	---	---	7.6	7.5	7.5
Max	7.6	7.3	7.4	7.7	7.3	7.4	8.2	7.4	7.6	8.0	7.7	7.7
Min	7.1	7.0	7.1	7.3	7.2	7.3	7.5	7.2	7.3	7.6	7.3	7.5

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		June			July			August			September	
1	7.6	7.5	7.6	7.6	7.3	7.4	7.6	7.4	7.5	7.7	7.5	7.5
2	7.8	7.5	7.6	7.6	7.3	7.4	7.7	7.4	7.5	7.6	7.5	7.5
3	7.7	7.5	7.6	7.4	7.1	7.3	7.6	7.4	7.5	7.7	7.5	7.6
4	7.6	7.6	7.6	7.5	7.4	7.4	7.6	7.5	7.5	7.6	7.5	7.6
5	7.7	7.5	7.6	7.6	7.4	7.4	7.7	7.5	7.6	7.8	7.5	7.6
6	7.6	7.5	7.6	7.5	7.4	7.4	7.6	7.5	7.6	7.8	7.6	7.6
7	7.5	7.1	7.4	7.6	7.4	7.4	7.7	7.5	7.5	7.8	7.6	7.6
8	7.6	7.5	7.5	7.6	7.4	7.4	7.6	7.4	7.5	7.8	7.6	7.6
9	7.6	7.4	7.5	7.5	7.4	7.4	7.7	7.4	7.5	7.9	7.5	7.6
10	---	---	---	7.6	7.3	7.4	7.6	7.4	7.5	7.9	7.5	7.6
11	---	---	---	7.6	7.4	7.4	7.7	7.4	7.5	7.8	7.5	7.5
12	---	---	---	7.5	7.3	7.4	7.7	7.5	7.5	7.7	7.4	7.5
13	---	---	---	7.6	7.4	7.4	7.5	7.3	7.5	7.6	7.4	7.5
14	---	---	---	7.5	7.3	7.4	7.7	7.4	7.6	7.7	7.5	7.6
15	---	---	---	7.6	7.4	7.4	7.6	7.5	7.6	7.7	7.6	7.6
16	---	---	---	7.6	7.4	7.4	7.7	7.5	7.6	7.7	7.6	7.6
17	---	---	---	7.6	7.4	7.4	7.7	7.5	7.6	7.7	7.6	7.6
18	---	---	---	7.6	7.4	7.5	7.7	7.5	7.6	7.7	7.6	7.6
19	---	---	---	7.6	7.3	7.4	7.7	7.5	7.6	7.7	7.6	7.6
20	---	---	---	7.6	7.4	7.4	7.7	7.5	7.6	7.7	7.6	7.6
21	---	---	---	7.6	7.4	7.5	7.7	7.5	7.5	7.7	7.4	7.6
22	---	---	---	7.7	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5
23	---	---	---	7.6	7.4	7.5	7.6	7.5	7.5	7.6	7.4	7.5
24	---	---	---	7.7	7.4	7.5	7.7	7.5	7.6	7.6	7.4	7.5
25	---	---	---	7.7	7.5	7.5	7.7	7.5	7.6	7.6	7.5	7.6
26	---	---	---	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.4	7.5
27	7.7	7.4	7.5	7.8	7.2	7.5	7.7	7.5	7.5	7.6	7.4	7.4
28	7.7	7.4	7.5	7.6	7.3	7.4	7.6	7.4	7.5	7.5	7.4	7.5
29	7.6	7.4	7.4	7.6	7.4	7.5	7.6	7.4	7.5	7.5	7.3	7.4
30	7.6	7.3	7.4	7.6	7.4	7.5	7.7	7.4	7.5	7.4	7.2	7.3
31	---	---	---	7.6	7.4	7.5	7.7	7.5	7.5	---	---	---
Max	---	---	---	7.8	7.5	7.5	7.7	7.5	7.6	7.9	7.6	7.6
Min	---	---	---	7.4	7.1	7.3	7.5	7.3	7.5	7.4	7.2	7.3

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued



01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	2.1	0.0	0.6	14	7.1	9.9	54	0.6	23	1.9	1.3	1.5
2	---	---	---	7.6	5.2	6.0	3.2	0.8	1.4	2.6	1.1	1.2
3	---	---	---	5.4	4.0	4.6	2.9	0.7	0.8	1.6	0.9	1.0
4	13	1.9	5.1	4.6	3.8	4.0	1.2	0.5	0.7	1.4	0.9	1.1
5	4.3	0.5	1.0	4.3	3.6	3.8	1.2	0.5	0.6	1.2	0.9	1.0
6	2.2	0.2	0.4	3.6	2.6	3.0	1.4	0.5	0.6	1.5	0.6	0.8
7	2.5	0.3	0.5	2.8	2.0	2.3	1.1	0.7	0.9	23	0.6	7.3
8	2.4	0.3	0.6	2.3	1.4	1.7	3.7	0.7	1.2	1.8	1.2	1.4
9	1.0	0.3	0.5	1.7	1.0	1.3	8.1	1.0	2.5	1.7	0.9	1.2
10	1.1	0.4	0.6	1.7	1.3	1.4	1.5	0.4	0.7	1.2	0.4	0.6
11	9.6	0.6	0.8	1.5	0.8	1.1	2.3	0.4	1.0	0.8	0.4	0.4
12	14	0.7	1.0	1.7	0.6	0.8	1.4	0.4	0.7	1.5	0.5	0.9
13	1.3	0.8	1.0	19	0.6	8.4	3.3	0.3	0.5	1.4	0.3	0.4
14	4.6	0.8	1.2	9.9	2.4	3.3	2.1	0.3	0.3	1.5	0.3	0.4
15	---	---	---	4.5	1.8	3.0	2.8	0.3	1.2	22	0.4	4.8
16	---	---	---	1.9	0.9	1.1	4.2	1.2	1.3	48	19	33
17	1.2	0.4	0.6	1.9	0.5	0.7	2.8	1.2	1.3	20	7.2	13
18	2.6	0.2	0.4	1.1	0.5	0.6	6.0	1.2	2.6	7.5	2.7	4.6
19	---	---	---	1.4	0.4	0.5	2.7	1.3	1.5	2.8	1.3	1.9
20	---	---	---	8.3	0.3	0.5	85	0.4	2.8	3.6	1.0	1.6
21	---	---	---	1.6	0.3	0.4	---	---	---	4.2	0.9	2.2
22	---	---	---	1.4	0.3	0.4	---	---	---	1.1	0.8	0.9
23	2.8	0.6	1.0	0.5	0.3	0.4	---	---	---	1.3	0.7	0.9
24	11	0.4	0.7	0.7	0.3	0.5	---	---	---	1.2	0.7	0.8
25	9.9	0.3	0.5	0.7	0.3	0.4	---	---	---	1.0	0.6	0.7
26	1.9	0.3	0.4	0.4	0.2	0.3	---	---	---	0.8	0.5	0.6
27	300	0.3	1.5	2.4	0.2	0.6	---	---	---	0.9	0.5	0.6
28	3.6	0.3	0.5	1.3	0.3	0.7	---	---	---	7.0	0.5	1.8
29	---	---	---	0.9	0.3	0.4	7.7	3.7	5.3	5.7	0.9	1.5
30	---	---	---	1.7	0.3	0.5	3.8	2.3	3.0	400	1.0	38
31	---	---	---	---	---	---	2.7	1.8	2.1	1,320	180	470
Month	---	---	---	19	0.2	2.1	---	---	---	1,320	0.3	19

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

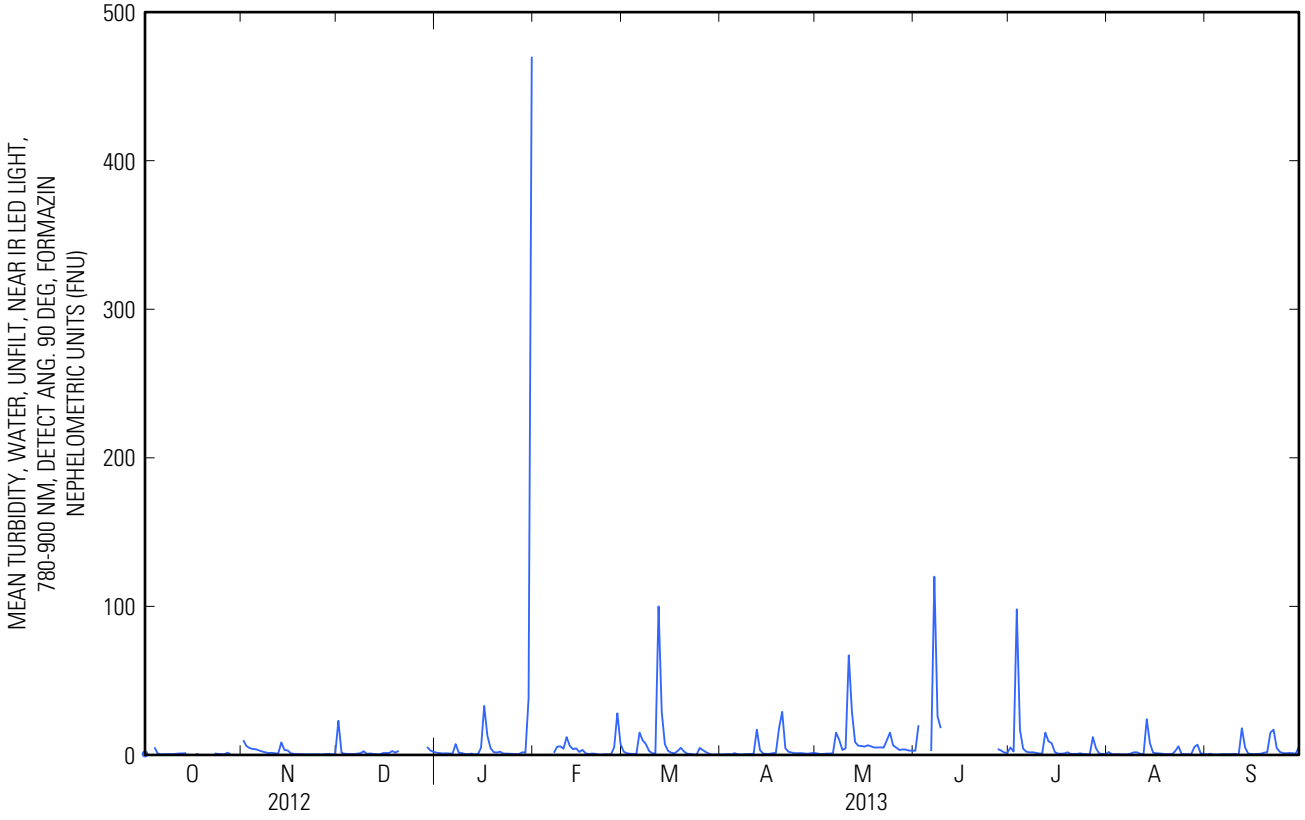
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	---	---	---	4.2	1.3	2.2	6.3	0.0	0.3	19	0.0	1.0
2	---	---	---	1.4	0.8	1.1	7.5	0.0	0.4	2.3	0.3	0.6
3	---	---	---	1.1	0.6	0.8	8.9	0.1	0.6	1.5	0.3	0.7
4	---	---	---	0.8	0.5	0.6	0.6	0.1	0.3	3.9	0.6	0.9
5	---	---	---	1.0	0.4	0.5	4.3	0.3	1.2	3.9	0.5	0.9
6	---	---	---	37	0.4	15	1.0	0.2	0.4	11	0.7	1.1
7	4.4	1.1	1.4	19	6.1	9.8	2.2	0.1	0.3	71	0.9	15
8	9.5	1.7	5.5	9.1	4.8	7.3	1.2	0.2	0.4	20	5.0	10
9	7.7	3.4	5.8	5.2	1.4	2.7	2.4	0.1	0.6	5.4	1.4	3.3
10	6.5	3.3	4.2	3.7	0.8	1.1	2.6	0.0	0.6	170	0.7	4.5
11	27	3.0	12	13	0.5	0.8	7.3	0.0	0.9	470	13	67
12	7.9	4.8	6.1	410	0.5	100	83	0.1	17	78	12	29
13	10	2.0	3.9	69	11	29	6.3	1.2	3.2	12	6.9	8.6
14	19	2.2	4.4	12	4.1	7.2	3.2	0.4	0.9	7.3	5.7	6.2
15	3.2	1.5	2.0	4.3	1.7	2.7	2.7	0.4	0.7	7.2	5.5	6.0
16	19	1.1	3.4	9.8	1.1	1.5	2.1	0.3	0.7	6.5	5.0	5.6
17	16	0.7	1.1	2.4	0.8	1.1	5.0	0.5	1.2	7.9	5.5	6.5
18	1.5	0.3	0.6	13	0.7	2.6	7.5	0.5	1.3	7.5	4.6	5.8
19	3.4	0.3	0.9	10	3.2	4.8	120	0.6	18	5.9	4.6	5.0
20	1.5	0.3	0.8	11	1.2	2.4	87	8.6	29	5.6	4.5	5.0
21	0.6	0.2	0.3	1.7	0.5	0.8	8.8	2.1	4.5	6.4	4.4	5.1
22	0.5	0.1	0.2	2.9	0.2	0.7	14	1.3	2.1	19	3.8	4.9
23	1.8	0.1	0.5	2.2	0.0	0.3	9.3	0.9	1.6	150	4.0	9.8
24	1.4	0.2	0.4	0.8	0.0	0.1	2.8	0.7	1.1	65	7.7	15
25	2.2	0.1	0.3	11	0.0	4.7	7.7	0.7	1.2	8.6	5.2	6.4
26	63	0.0	5.2	6.3	2.0	3.2	4.1	0.6	1.2	20	3.5	4.9
27	56	14	28	3.9	1.4	1.8	2.6	0.5	1.0	9.8	2.7	3.3
28	14	3.4	7.4	1.9	0.2	0.8	9.1	0.4	0.8	7.2	2.7	3.7
29	---	---	---	1.0	0.0	0.2	3.8	0.5	1.1	5.3	2.7	3.6
30	---	---	---	2.3	0.0	0.3	14	0.8	1.4	12	2.0	2.9
31	---	---	---	2.2	0.0	0.3	---	---	---	44	1.7	2.9
Month	---	---	---	410	0.0	6.7	120	0.0	3.1	470	0.0	7.9

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	10	1.3	2.8	64	1.0	5.0	6.5	0.3	2.0	2.0	0.1	0.4
2	110	2.0	20	130	0.8	2.3	1.3	0.1	0.5	6.1	0.2	0.8
3	---	---	---	320	1.1	98	2.4	0.1	0.5	1.1	0.0	0.3
4	---	---	---	42	6.3	17	2.3	0.1	0.5	3.9	0.0	0.3
5	---	---	---	6.7	2.3	4.2	5.6	0.0	0.4	0.9	0.0	0.3
6	14	0.7	2.6	30	1.4	2.2	1.2	0.0	0.4	1.3	0.1	0.6
7	920	9.4	120	2.6	1.2	1.7	1.0	0.0	0.3	1.0	0.1	0.5
8	37	20	26	2.8	1.2	1.8	2.6	0.0	1.0	1.3	0.2	0.5
9	22	15	18	2.7	1.0	1.4	12	0.0	1.8	2.2	0.3	0.7
10	---	---	---	6.8	0.3	1.0	4.1	0.4	1.7	5.9	0.0	0.7
11	---	---	---	2.3	0.2	0.8	4.4	0.2	0.7	1.5	0.0	0.2
12	---	---	---	100	0.6	15	8.0	0.2	0.7	170	0.1	18
13	---	---	---	54	1.8	9.2	250	0.4	24	18	1.3	5.1
14	---	---	---	27	2.5	7.9	30	1.5	7.9	2.1	0.4	0.9
15	---	---	---	4.0	0.9	1.9	2.5	1.1	1.5	1.4	0.1	0.6
16	---	---	---	4.9	0.5	0.9	2.4	0.6	1.1	1.7	0.2	0.6
17	---	---	---	8.9	0.3	0.8	2.0	0.6	1.0	2.2	0.2	0.7
18	---	---	---	4.5	0.3	1.0	2.0	0.3	0.8	1.5	0.4	0.8
19	---	---	---	4.5	0.6	1.8	1.1	0.1	0.5	2.4	0.9	1.5
20	---	---	---	2.5	0.3	0.7	4.5	0.0	0.6	12	0.6	1.8
21	---	---	---	1.2	0.3	0.7	1.5	0.1	0.5	130	0.9	15
22	---	---	---	6.3	0.3	0.7	25	0.1	2.6	60	6.7	17
23	---	---	---	1.9	0.4	1.1	33	0.2	5.8	7.6	2.7	4.6
24	---	---	---	1.4	0.2	0.6	1.3	0.2	0.6	6.1	1.2	2.0
25	---	---	---	1.1	0.1	0.5	3.3	0.0	0.5	3.7	0.7	1.2
26	---	---	---	1.7	0.0	0.3	1.1	0.0	0.5	2.5	0.6	1.1
27	17	1.2	4.0	91	0.0	12	0.9	0.0	0.3	2.2	0.9	1.3
28	7.7	0.9	3.0	22	1.0	4.4	52	0.0	5.3	2.2	0.6	1.2
29	5.7	0.8	1.7	1.9	0.3	0.9	28	1.6	6.9	1.7	0.4	0.8
30	2.3	0.6	1.3	3.5	0.3	0.7	3.4	0.4	1.1	32	0.4	5.6
31	---	---	---	1.1	0.1	0.5	1.5	0.2	0.6	---	---	---
Month	---	---	---	320	0.0	6.4	250	0.0	2.3	170	0.0	2.8

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued



01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	10.2	9.0	9.6	12.6	12.3	12.5	14.6	13.5	14.1	14.4	13.8	14.1
2	9.6	7.9	9.3	12.8	12.3	12.5	14.5	13.0	13.8	14.5	13.8	14.2
3	9.4	8.7	9.1	12.8	12.4	12.6	14.0	12.3	13.1	15.4	14.5	14.9
4	9.3	8.5	8.8	13.1	12.3	12.7	13.5	11.7	12.6	15.6	14.7	15.1
5	9.5	8.5	8.9	12.9	12.3	12.6	13.1	11.7	12.2	15.6	14.7	15.1
6	9.4	8.6	9.0	13.3	12.5	12.9	14.4	12.2	13.4	15.0	13.8	14.5
7	10.0	9.0	9.6	12.9	12.4	12.6	14.5	12.8	13.6	14.5	13.8	14.0
8	11.0	10.0	10.5	12.7	12.1	12.4	13.7	12.1	12.8	15.3	14.1	14.6
9	11.1	10.0	10.6	12.8	12.3	12.5	12.7	11.9	12.2	15.2	14.1	14.6
10	10.6	9.6	10.1	13.1	12.1	12.6	12.7	11.3	11.9	14.9	12.9	13.9
11	10.7	9.6	10.2	12.8	11.9	12.4	13.1	11.3	12.1	13.7	12.6	13.1
12	11.2	10.2	10.7	12.5	11.3	12.0	14.2	12.1	13.1	13.3	12.0	12.6
13	11.5	10.4	10.9	12.2	11.2	11.7	14.4	12.8	13.5	12.8	11.8	12.2
14	11.5	10.0	10.8	13.1	12.2	12.7	15.0	13.4	14.2	12.5	11.6	11.9
15	10.2	9.8	9.9	13.2	12.5	12.9	15.0	13.3	14.1	12.6	11.7	12.2
16	10.6	9.8	10.1	13.2	12.5	12.8	14.2	12.6	13.3	12.9	12.5	12.7
17	11.1	9.9	10.4	13.7	12.8	13.2	13.2	12.0	12.6	12.9	12.4	12.6
18	11.0	9.6	10.3	13.9	12.8	13.3	13.0	11.7	12.2	13.7	12.5	13.2
19	10.0	9.4	9.7	13.2	12.2	12.7	14.0	12.1	12.9	14.2	13.0	13.6
20	10.0	9.6	9.8	13.1	12.0	12.5	14.2	12.5	13.2	13.8	12.6	13.1
21	10.6	9.6	10	13.3	12.1	12.7	12.9	12.0	12.4	14.0	12.9	13.4
22	10.9	9.6	10.3	13.9	12.7	13.2	13.6	12.8	13.3	15.1	13.3	14.4
23	10.9	9.6	10.2	14.0	12.5	13.2	14.4	13.6	14.0	15.3	14.6	14.9
24	10.4	9.0	9.7	13.9	12.5	13.2	14.7	13.9	14.3	15.2	14.5	14.9
25	9.8	8.8	9.2	14.5	13.3	13.9	14.3	13.4	13.9	15.4	14.6	14.9
26	9.6	8.7	9.1	14.7	13.6	14.1	14.7	13.4	14.1	15.2	14.6	14.8
27	9.9	8.7	9.2	13.9	13.4	13.7	14.4	14.0	14.2	15.3	14.6	14.9
28	9.5	8.7	9.1	14.4	13.4	13.9	14.9	13.4	14.0	15.1	14.2	14.6
29	---	---	---	15.1	13.7	14.3	13.9	13.6	13.8	14.7	13.1	14.0
30	---	---	---	15.2	13.9	14.5	14.4	13.7	14.1	13.4	11.0	12.6
31	---	---	---	---	---	---	14.9	14.1	14.5	12.6	11.1	11.7
Month	---	---	---	15.2	11.2	13.0	15.0	11.3	13.3	15.6	11.0	13.8

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

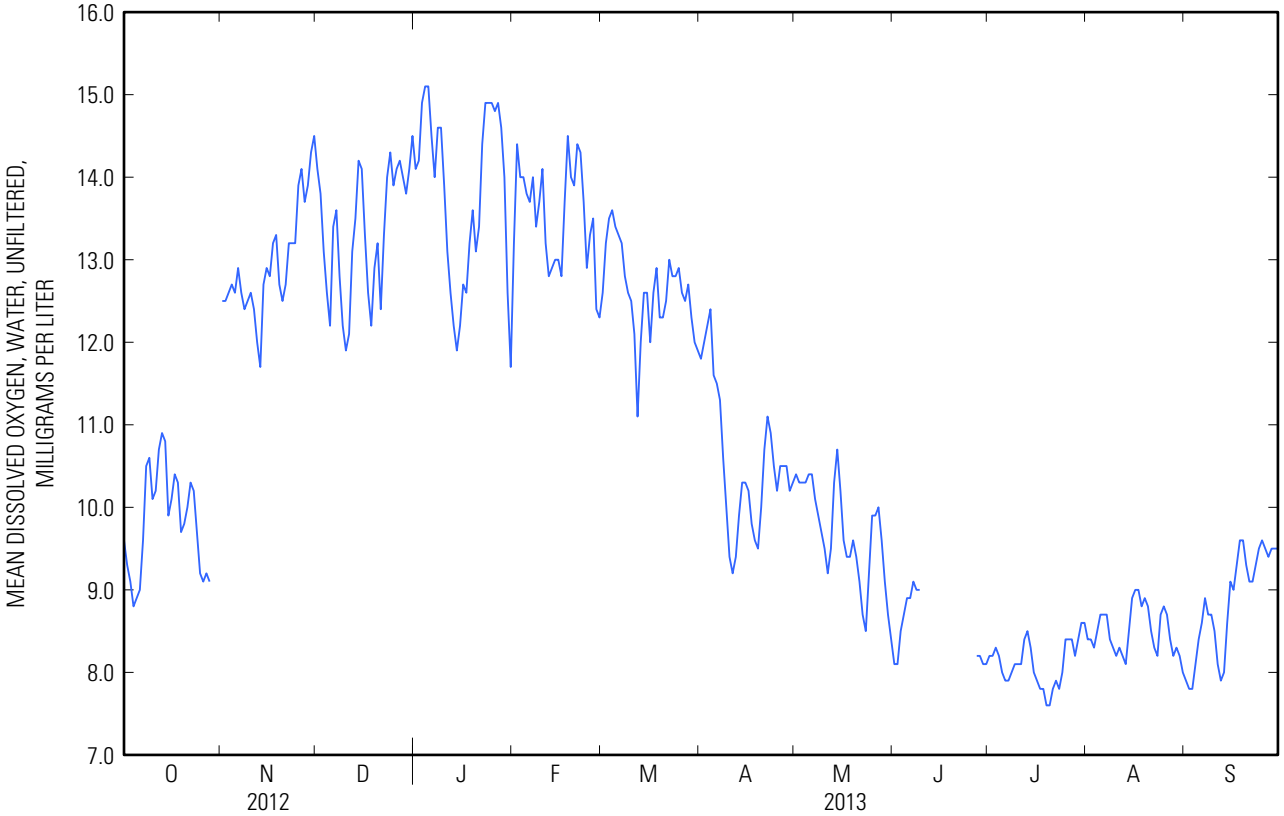
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	14.0	12.6	13.2	13.3	12.1	12.6	12.8	11.1	11.8	11.5	9.7	10.4
2	14.8	14.0	14.4	13.9	12.4	13.2	13.1	11.3	12.0	11.4	9.6	10.3
3	14.5	13.6	14.0	14.3	13.0	13.5	13.4	11.4	12.2	11.3	9.6	10.3
4	14.5	13.7	14.0	14.5	12.9	13.6	13.5	11.6	12.4	11.3	9.6	10.3
5	14.1	13.4	13.8	14.3	12.5	13.4	12.6	10.6	11.6	11.4	9.8	10.4
6	14.1	13.3	13.7	13.7	12.5	13.3	12.7	10.8	11.5	11.0	9.9	10.4
7	14.4	13.6	14.0	13.8	12.5	13.2	12.5	10.3	11.3	10.3	10.0	10.1
8	13.7	12.9	13.4	13.6	12.2	12.8	11.8	9.6	10.6	10.3	9.5	9.9
9	14.3	13.1	13.7	13.6	11.9	12.6	11.2	8.8	10	10.5	9.1	9.7
10	14.8	13.6	14.1	13.6	11.7	12.5	10.7	8.3	9.4	10.5	8.7	9.5
11	13.6	12.6	13.2	13.0	11.2	12.1	10.4	8.3	9.2	9.4	8.7	9.2
12	13.4	12.3	12.8	11.4	10.9	11.1	10.0	8.6	9.4	9.8	9.2	9.5
13	13.5	12.5	12.9	12.4	11.4	12.0	10.9	9.3	9.9	10.8	9.8	10.3
14	13.6	12.6	13.0	13.4	12.1	12.6	11.5	9.5	10.3	11.4	10.1	10.7
15	13.8	12.3	13.0	13.6	11.7	12.6	11.4	9.6	10.3	10.9	9.4	10.2
16	13.3	12.4	12.8	12.8	11.5	12.0	11.4	9.2	10.2	10.3	9.0	9.6
17	14.3	12.9	13.7	13.2	11.7	12.6	10.9	9.0	9.8	10.2	8.8	9.4
18	15.2	13.8	14.5	13.6	12.5	12.9	10.7	9.0	9.6	9.8	8.9	9.4
19	14.5	13.3	14.0	13.1	11.4	12.3	10.4	8.9	9.5	10.1	9.2	9.6
20	14.5	13.4	13.9	13.3	11.6	12.3	10.5	9.6	10	9.9	8.9	9.4
21	15.2	13.8	14.4	13.3	11.7	12.5	11.6	10.0	10.7	9.8	8.5	9.1
22	14.9	13.9	14.3	14.0	12.2	13.0	12.0	10.4	11.1	9.5	8.1	8.7
23	14.3	12.9	13.7	13.9	11.8	12.8	11.9	10.2	10.9	9.1	8.1	8.5
24	13.6	12.3	12.9	13.6	12.1	12.8	11.7	9.3	10.5	9.6	8.7	9.2
25	14.2	12.7	13.3	13.7	12.4	12.9	11.5	9.3	10.2	10.6	9.5	9.9
26	14.2	12.8	13.5	13.4	12.0	12.6	11.7	9.7	10.5	10.5	9.3	9.9
27	12.8	11.8	12.4	13.2	12.0	12.5	11.7	9.6	10.5	10.6	9.6	10.0
28	12.9	11.8	12.3	13.4	12.2	12.7	11.5	9.8	10.5	10.3	8.6	9.6
29	---	---	---	13.2	11.6	12.3	10.7	10.0	10.2	9.8	8.4	9.1
30	---	---	---	13.1	11.2	12.0	10.9	10.0	10.3	9.3	8.1	8.7
31	---	---	---	12.7	11.4	11.9	---	---	---	9.0	7.8	8.4
Month	15.2	11.8	13.5	14.5	10.9	12.6	13.5	8.3	10.5	11.5	7.8	9.7

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	8.8	7.6	8.1	8.5	8.0	8.2	8.8	8.2	8.4	8.5	7.4	7.9
2	8.5	7.6	8.1	8.7	8.0	8.2	8.9	8.0	8.4	8.5	7.4	7.8
3	8.8	8.3	8.5	8.6	8.1	8.3	8.7	8.0	8.3	8.4	7.3	7.8
4	9.1	8.3	8.7	8.5	8.0	8.2	8.9	8.2	8.5	8.7	7.6	8.1
5	9.4	8.5	8.9	8.3	7.8	8.0	9.1	8.3	8.7	9.0	7.9	8.4
6	9.2	8.6	8.9	8.2	7.6	7.9	8.9	8.4	8.7	9.1	8.1	8.6
7	9.2	8.9	9.1	8.2	7.6	7.9	9.1	8.3	8.7	9.4	8.5	8.9
8	9.2	8.8	9.0	8.4	7.8	8.0	8.8	8.1	8.4	9.2	8.2	8.7
9	9.3	8.8	9.0	8.4	7.9	8.1	8.8	7.9	8.3	9.4	8.2	8.7
10	---	---	---	8.5	7.8	8.1	8.7	8.0	8.2	9.1	8.0	8.5
11	---	---	---	8.6	7.9	8.1	8.9	7.9	8.3	8.7	7.6	8.1
12	---	---	---	8.7	7.9	8.4	8.8	7.8	8.2	8.5	7.4	7.9
13	---	---	---	8.7	8.2	8.5	8.4	7.8	8.1	8.3	7.8	8.0
14	---	---	---	8.6	7.9	8.3	8.9	8.0	8.5	9.2	8.0	8.6
15	---	---	---	8.4	7.7	8.0	9.3	8.6	8.9	9.6	8.6	9.1
16	---	---	---	8.3	7.6	7.9	9.4	8.6	9.0	9.5	8.7	9.0
17	---	---	---	8.3	7.5	7.8	9.5	8.5	9.0	9.7	8.9	9.3
18	---	---	---	8.2	7.5	7.8	9.3	8.5	8.8	10.0	9.2	9.6
19	---	---	---	8.0	7.3	7.6	9.5	8.6	8.9	10.0	9.2	9.6
20	---	---	---	8.2	7.3	7.6	9.3	8.2	8.8	9.7	8.9	9.3
21	---	---	---	8.2	7.4	7.8	9.1	8.0	8.5	9.6	8.8	9.1
22	---	---	---	8.4	7.5	7.9	8.8	7.8	8.3	9.3	8.9	9.1
23	---	---	---	8.2	7.5	7.8	8.7	7.8	8.2	9.7	8.9	9.3
24	---	---	---	8.5	7.6	8.0	9.2	8.3	8.7	9.9	9.1	9.5
25	---	---	---	8.9	8.0	8.4	9.4	8.4	8.8	10.0	9.2	9.6
26	---	---	---	8.9	8.1	8.4	9.3	8.2	8.7	9.9	9.2	9.5
27	8.6	7.9	8.2	9.0	7.8	8.4	9.0	7.9	8.4	9.9	9.1	9.4
28	8.6	7.8	8.2	8.6	7.9	8.2	8.6	7.8	8.2	10.1	9.2	9.5
29	8.6	7.8	8.1	8.9	8.0	8.4	8.6	7.9	8.3	10.0	9.2	9.5
30	8.6	7.9	8.1	9.1	8.2	8.6	8.7	7.7	8.2	10.0	9.2	9.5
31	---	---	---	9.0	8.3	8.6	8.6	7.5	8.0	---	---	---
Month	---	---	---	9.1	7.3	8.1	9.5	7.5	8.5	10.1	7.3	8.9

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued



01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Discharge, instanta-neous, ft³/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)
10-02-2012	**0835**	Surface water	Regular	--	--	7.6	9.4	7.2
10-02-2012	**0950**	Surface water	Regular	--	--	6.6	9.6	7.1
10-02-2012	**2110**	Surface water	Regular	--	--	4.2	9.4	7.1
10-09-2012	**1400**	Surface water	Regular	--	--	2.3	11.1	7.5
10-09-2012	***1405***	*QC sample - Artificial*	*Blank*	--	--	--	--	--
10-31-2012	**1400**	Surface water	Regular	--	--	19	12.5	7.4
11-06-2012	**1445**	Surface water	Replicate	--	--	5.1	12.7	7.6
11-06-2012	***1446***	*QC sample - Surface water*	*Other QA*	--	--	--	*12.7*	*7.6*
11-06-2012	***1447***	*QC sample - Surface water*	*Other QA*	--	--	--	*12.7*	*7.6*
11-06-2012	***1448***	*QC sample - Surface water*	*Other QA*	--	--	--	*12.7*	*7.6*
11-06-2012	***1449***	*QC sample - Surface water*	*Other QA*	--	--	--	*12.7*	*7.6*
11-06-2012	***1450***	*QC sample - Surface water*	*Replicate*	--	--	--	--	*7.6*
11-13-2012	**0630**	Surface water	Regular	--	--	19	11.5	7.5
11-13-2012	**1015**	Surface water	Regular	--	--	33	11.8	7.5
11-13-2012	**1245**	Surface water	Regular	--	--	30	11.8	7.5
12-06-2012	**1430**	Surface water	Regular	--	--	--	14.4	7.6
01-07-2013	**1715**	Surface water	Regular	--	--	--	14.0	7.6
01-10-2013	**1215**	Surface water	Regular	--	--	--	14.0	7.3
01-16-2013	**1545**	Surface water	Replicate	--	--	33	12.7	7.3
01-16-2013	***1546***	*QC sample - Surface water*	*Other QA*	--	--	--	*13.1*	*7.5*
01-16-2013	***1547***	*QC sample - Surface water*	*Other QA*	--	--	--	*13.1*	*7.5*
01-16-2013	***1548***	*QC sample - Surface water*	*Other QA*	--	--	--	*13.1*	*7.5*
01-16-2013	***1549***	*QC sample - Surface water*	*Other QA*	--	--	--	*13.1*	*7.5*
01-16-2013	***1550***	*QC sample - Surface water*	*Replicate*	--	--	--	*13.1*	*7.5*
01-16-2013	***1551***	*QC sample - Surface water*	*Other QA*	--	--	--	*13.1*	*7.5*
01-16-2013	***1552***	*QC sample - Surface water*	*Other QA*	--	--	--	*13.1*	*7.5*
01-16-2013	***1555***	*QC sample - Surface water*	*Replicate*	--	--	--	--	--
01-30-2013	**2105**	Surface water	Regular	--	--	118	11.5	7.4
01-30-2013	**2335**	Surface water	Regular	--	--	293	11.1	7.0
01-31-2013	**0305**	Surface water	Regular	--	--	550	11.1	6.8
01-31-2013	**0945**	Surface water	Replicate	--	--	98	11.7	7.0
01-31-2013	***0950***	*QC sample - Surface water*	*Replicate*	*751*	--	--	*11.7*	*7.3*
01-31-2013	***0955***	*QC sample - Surface water*	*Replicate*	--	--	--	--	--
02-06-2013	**1245**	Surface water	Regular	--	--	--	14.0	7.5
02-06-2013	***1246***	*QC sample - Surface water*	*Other QA*	--	--	--	*14.0*	*7.5*
02-06-2013	***1247***	*QC sample - Surface water*	*Other QA*	--	--	--	*14.0*	*7.5*
02-06-2013	***1248***	*QC sample - Surface water*	*Other QA*	--	--	--	*14.0*	*7.5*
02-06-2013	***1249***	*QC sample - Surface water*	*Other QA*	--	--	--	*14.0*	*7.5*
03-05-2013	**1215**	Surface water	Regular	--	--	7.2	13.6	7.5
03-12-2013	**1030**	Surface water	Regular	--	--	131	11.2	7.4

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 2 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Sampler type (84164)	Sampling method (82398)
10-02-2012	**0835**	--	--	204	16.3	48	Sampler point auto	Point sample
10-02-2012	**0950**	--	--	102	17.4	120	Sampler point auto	Point sample
10-02-2012	**2110**	--	--	106	18.0	36	Sampler point auto	Point sample
10-09-2012	**1400**	--	--	226	12.9	--	US DH-81	Multi Verticals EWT
10-09-2012	***1405***	--	--	--	--	--	*US DH-81*	*Multi Verticals EWT*
10-31-2012	**1400**	--	--	167	10.7	19	Sampler point auto	Point sample
11-06-2012	**1445**	--	--	237	6.8	1.9	US DH-81	Multi Verticals EWT
11-06-2012	***1446***	--	--	*237*	*6.8*	*2.0*	--	--
11-06-2012	***1447***	--	--	*237*	*6.8*	*1.7*	--	--
11-06-2012	***1448***	--	--	*237*	*6.8*	*1.9*	--	--
11-06-2012	***1449***	--	--	*237*	*6.8*	*2.0*	--	--
11-06-2012	***1450***	*7.8*	*241*	*237*	--	--	*US DH-81*	*Multi Verticals EWT*
11-13-2012	**0630**	--	--	211	10.8	9.0	Sampler point auto	Point sample
11-13-2012	**1015**	--	--	174	10.1	11	Sampler point auto	Point sample
11-13-2012	**1245**	--	--	162	10.3	12	Sampler point auto	Point sample
12-06-2012	**1430**	--	--	243	5.9	.6	US DH-81	Multi Verticals EWT
01-07-2013	**1715**	--	--	258	4.9	4.0	Sampler point auto	Point sample
01-10-2013	**1215**	--	--	255	4.0	.6	US DH-81	Grab sample(dip)
01-16-2013	**1545**	7.5	179	177	5.6	32	Sampler point auto	Point sample
01-16-2013	***1546***	--	--	*177*	*5.6*	*30*	--	--
01-16-2013	***1547***	--	--	*177*	*5.6*	*29*	--	--
01-16-2013	***1548***	--	--	*177*	*5.6*	*29*	--	--
01-16-2013	***1549***	--	--	*177*	*5.6*	*28*	--	--
01-16-2013	***1550***	--	--	*177*	*5.6*	*29*	*US DH-81*	*EWI*
01-16-2013	***1551***	--	--	*177*	*5.6*	*28*	--	--
01-16-2013	***1552***	--	--	*177*	*5.6*	*29*	--	--
01-16-2013	***1555***	--	--	--	--	--	*US DH-81*	*EWI*
01-30-2013	**2105**	--	--	1,610	8.5	96	Sampler point auto	Point sample
01-30-2013	**2335**	--	--	910	10.4	290	Sampler point auto	Point sample
01-31-2013	**0305**	--	--	391	10.6	930	Sampler point auto	Point sample
01-31-2013	**0945**	--	--	529	8.6	280	Sampler point auto	Point sample
01-31-2013	***0950***	--	--	--	*8.5*	--	*US DH-81*	*EWI*
01-31-2013	***0955***	--	--	--	--	--	*US DH-81*	*EWI*
02-06-2013	**1245**	--	--	470	3.3	.6	US DH-81	Multi Verticals EWT
02-06-2013	***1246***	--	--	*470*	*3.3*	*.6*	--	--
02-06-2013	***1247***	--	--	*470*	*3.3*	*.7*	--	--
02-06-2013	***1248***	--	--	*470*	*3.3*	*.6*	--	--
02-06-2013	***1249***	--	--	*470*	*3.3*	*.8*	--	--
03-05-2013	**1215**	--	--	302	4.4	--	US DH-81	Multi Verticals EWT
03-12-2013	**1030**	--	--	533	10.2	72	Sampler point auto	Point sample

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 3 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Suspended solids, water, unfiltered, mg/L (00530)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Chloride, water, filtered, mg/L (00940)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)	Phosphorus, water, filtered, mg/L as P (00666)
10-02-2012	**0835**	122	9.52	30.2	< .010	0.445	0.002	< .004	0.906	0.007
10-02-2012	**0950**	204	20.9	13.9	V .011	.391	.006	.012	1.94	.026
10-02-2012	**2110**	26	1.73	11.2	V .014	.422	.004	.020	.178	.038
10-09-2012	**1400**	< 15	V .09	38.0	< .010	.362	.002	< .004	V .047	.008
10-09-2012	***1405***	*< 15*	*.06*	*< .06*	*< .010*	*< .040*	*< .001*	*< .004*	*.017*	*< .003*
10-31-2012	**1400**	< 30	V .42	23.1	< .010	.556	.004	.014	.066	.024
11-06-2012	**1445**	--	< .05	42.9	< .010	1.09	.001	.006	.043	.004
11-06-2012	***1446***	--	--	--	--	--	--	--	--	--
11-06-2012	***1447***	--	--	--	--	--	--	--	--	--
11-06-2012	***1448***	--	--	--	--	--	--	--	--	--
11-06-2012	***1449***	--	--	--	--	--	--	--	--	--
11-06-2012	***1450***	--	--	--	--	--	--	--	--	--
11-13-2012	**0630**	< 15	V .52	35.6	V .026	1.05	.009	.011	.062	.014
11-13-2012	**1015**	< 15	.94	25.9	< .010	.742	.009	.018	.050	.025
11-13-2012	**1245**	< 15	1.12	22.6	< .010	.715	.009	.020	.084	.027
12-06-2012	**1430**	--	V .23	44.6	< .010	1.06	.003	< .004	.051	< .003
01-07-2013	**1715**	--	< .05	49.8	< .010	1.43	.002	< .004	.026	< .003
01-10-2013	**1215**	--	< .05	50.0	< .010	1.43	.002	< .004	.028	< .003
01-16-2013	**1545**	< 15	1.25	29.6	< .010	.524	.005	.006	.219	.026
01-16-2013	***1546***	--	--	--	--	--	--	--	--	--
01-16-2013	***1547***	--	--	--	--	--	--	--	--	--
01-16-2013	***1548***	--	--	--	--	--	--	--	--	--
01-16-2013	***1549***	--	--	--	--	--	--	--	--	--
01-16-2013	***1550***	*< 15*	*.93*	*29.5*	*< .010*	*.516*	*.005*	*.006*	*.102*	*.061*
01-16-2013	***1551***	--	--	--	--	--	--	--	--	--
01-16-2013	***1552***	--	--	--	--	--	--	--	--	--
01-16-2013	***1555***	--	--	--	--	--	--	--	--	--
01-30-2013	**2105**	154	14.6	518	V .056	1.21	.012	< .004	.980	.006
01-30-2013	**2335**	478	25.8	271	.102	.566	.010	.009	2.15	.022
01-31-2013	**0305**	593	34.7	101	V .049	.393	.006	.012	2.60	.038
01-31-2013	**0945**	94	3.34	143	V .042	.548	.005	.021	.276	.042
01-31-2013	***0950***	*72*	*2.75*	*142*	*.034*	*.526*	*.005*	*.018*	*.310*	*.042*
01-31-2013	***0955***	--	--	--	--	--	--	--	--	--
02-06-2013	**1245**	--	V .16	117	< .010	1.49	.002	< .004	.018	.004
02-06-2013	***1246***	--	--	--	--	--	--	--	--	--
02-06-2013	***1247***	--	--	--	--	--	--	--	--	--
02-06-2013	***1248***	--	--	--	--	--	--	--	--	--
02-06-2013	***1249***	--	--	--	--	--	--	--	--	--
03-05-2013	**1215**	--	V .14	66.4	< .010	1.37	.003	< .004	.022	< .003
03-12-2013	**1030**	180	13.1	138	V .017	.898	.008	< .004	1.02	.007

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[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Total nitrogen, water, unfiltered, mg/L (00600)	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL (50468)	Total coliform, Defined Substrate Technology, water, MPN/100 mL (50569)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
10-02-2012	**0835**	0.16	0.65	1.6	4,100	200,000	84	159	3.3
10-02-2012	**0950**	.27	.65	2.6	13,000	> 240,000	83	274	4.9
10-02-2012	**2110**	.08	.81	.99	29,000	> 240,000	95	30	.34
10-09-2012	**1400**	< .01	.49	V .54	44	2,000	--	1	.01
10-09-2012	***1405***	*< .01*	*< .05*	*< .07*	--	--	--	*< .5*	--
10-31-2012	**1400**	.05	.94	1.0	4,600	> 240,000	--	15	.77
11-06-2012	**1445**	< .01	1.19	1.2	76	3,400	--	1	.01
11-06-2012	***1446***	--	--	--	--	--	--	--	--
11-06-2012	***1447***	--	--	--	--	--	--	--	--
11-06-2012	***1448***	--	--	--	--	--	--	--	--
11-06-2012	***1449***	--	--	--	--	--	--	--	--
11-06-2012	***1450***	--	--	--	--	--	--	--	--
11-13-2012	**0630**	.04	1.32	1.4	3,300	> 24,000	--	10	.51
11-13-2012	**1015**	.05	1.01	1.1	3,100	24,000	--	15	1.3
11-13-2012	**1245**	.06	.88	.96	3,300	> 24,000	--	15	1.2
12-06-2012	**1430**	< .01	1.08	1.1	32	650	--	1	--
01-07-2013	**1715**	< .01	1.48	1.5	16	490	78	3	--
01-10-2013	**1215**	< .01	1.49	1.5	25	990	--	< .5	--
01-16-2013	**1545**	.06	.99	1.2	5,000	47,000	90	21	1.9
01-16-2013	***1546***	--	--	--	--	--	--	--	--
01-16-2013	***1547***	--	--	--	--	--	--	--	--
01-16-2013	***1548***	--	--	--	--	--	--	--	--
01-16-2013	***1549***	--	--	--	--	--	--	--	--
01-16-2013	***1550***	*.06*	*1.13*	*1.2*	*4,700*	*73,000*	*95*	*17*	--
01-16-2013	***1551***	--	--	--	--	--	--	--	--
01-16-2013	***1552***	--	--	--	--	--	--	--	--
01-16-2013	***1555***	--	--	--	--	--	*95*	*18*	--
01-30-2013	**2105**	.19	1.42	2.4	1,900	69,000	83	188	60
01-30-2013	**2335**	.35	.96	3.1	2,100	77,000	82	719	569
01-31-2013	**0305**	.44	1.10	3.7	2,400	87,000	76	965	1,430
01-31-2013	**0945**	.14	1.03	1.3	2,000	61,000	85	144	38
01-31-2013	***0950***	*.13*	*.99*	*1.3*	--	--	*74*	*101*	--
01-31-2013	***0955***	--	--	--	--	--	*76*	*106*	--
02-06-2013	**1245**	.01	1.63	1.7	21	770	--	--	--
02-06-2013	***1246***	--	--	--	--	--	--	--	--
02-06-2013	***1247***	--	--	--	--	--	--	--	--
02-06-2013	***1248***	--	--	--	--	--	--	--	--
02-06-2013	***1249***	--	--	--	--	--	--	--	--
03-05-2013	**1215**	< .01	1.47	1.5	18	> 2,400	--	< .5	< .01
03-12-2013	**1030**	.19	1.22	2.2	1,800	31,000	80	323	114

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[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Discharge, instanta-neous, ft³/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)
03-12-2013	**1300**	Surface water	Regular	--	--	196	11.0	7.3
03-12-2013	**1630**	Surface water	Regular	--	--	83	10.9	7.3
04-03-2013	**1230**	Surface water	Regular	--	13.0	8.2	12.9	7.7
04-12-2013	**0730**	Surface water	Regular	--	--	34	9.4	7.4
04-12-2013	**0845**	Surface water	Regular	--	--	78	10.0	7.4
04-12-2013	**1000**	Surface water	Replicate	--	--	--	10.0	7.4
04-12-2013	***1005***	*QC sample - Surface water*	*Replicate*	--	--	*52*	--	--
05-01-2013	**1015**	Surface water	Regular	--	--	8.2	11.5	7.6
05-01-2013	***1016***	*QC sample - Surface water*	*Other QA*	--	--	--	*11.4*	*7.6*
05-01-2013	***1017***	*QC sample - Surface water*	*Other QA*	--	--	--	*11.5*	*7.6*
05-01-2013	***1018***	*QC sample - Surface water*	*Other QA*	--	--	--	*11.5*	*7.6*
05-01-2013	***1019***	*QC sample - Surface water*	*Other QA*	--	--	--	*11.5*	*7.6*
05-01-2013	***1021***	*QC sample - Surface water*	*Other QA*	--	--	--	*11.5*	*7.6*
05-23-2013	**2245**	Surface water	Regular	--	--	72	8.5	7.6
05-24-2013	**0005**	Surface water	Regular	--	--	58	8.8	7.6
05-24-2013	**0135**	Surface water	Regular	--	--	45	8.8	7.6
06-05-2013	**1145**	Surface water	Regular	--	--	6.6	9.4	7.5
06-07-2013	**0100**	Surface water	Regular	753	--	108	9.1	7.5
06-07-2013	**0200**	Surface water	Regular	--	--	352	9.1	7.3
06-07-2013	**1800**	Surface water	Regular	--	--	146	9.0	7.5
06-08-2013	**1005**	Surface water	Replicate	--	E 17.0	23	9.0	7.6
06-08-2013	**1007**	Surface water	Replicate	--	--	23	E 9.2	E 7.5
06-08-2013	***1024***	*QC sample - Surface water*	*Other QA*	--	--	--	*9.0*	*7.6*
06-08-2013	***1025***	*QC sample - Surface water*	*Other QA*	--	--	--	*9.0*	*7.6*
06-08-2013	***1026***	*QC sample - Surface water*	*Other QA*	--	--	--	*9.0*	*7.6*
06-08-2013	***1027***	*QC sample - Surface water*	*Other QA*	--	--	--	*9.0*	*7.5*
06-08-2013	***1028***	*QC sample - Surface water*	*Other QA*	--	--	--	*9.0*	*7.6*
06-08-2013	***1029***	*QC sample - Surface water*	*Other QA*	--	--	--	*9.0*	*7.6*
06-24-2013	***1140***	*QC sample - Artificial*	*Blank*	--	--	--	--	--
07-02-2013	**1145**	Surface water	Regular	--	--	6.3	8.6	7.3
07-27-2013	**1855**	Surface water	Regular	--	--	35	8.2	7.4
07-27-2013	**2125**	Surface water	Regular	--	--	14	8.0	7.3
08-07-2013	**1130**	Surface water	Regular	--	--	3.3	8.8	7.2
08-07-2013	***1131***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.1*
08-07-2013	***1132***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.2*
08-07-2013	***1133***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.2*
08-07-2013	***1134***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.2*
08-07-2013	***1136***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.1*
08-13-2013	**0935**	Surface water	Regular	--	--	34	8.2	7.4
08-13-2013	**1205**	Surface water	Regular	--	--	16	8.3	7.5

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[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Sampler type (84164)	Sampling method (82398)
03-12-2013	**1300**	--	--	413	11.6	290	Sampler point auto	Point sample
03-12-2013	**1630**	--	--	426	11.7	200	Sampler point auto	Point sample
04-03-2013	**1230**	--	--	366	8.3	.8	US DH-81	Multi Verticals EWT
04-12-2013	**0730**	--	--	318	15.7	11	Sampler point auto	Point sample
04-12-2013	**0845**	--	--	254	14.4	76	Sampler point auto	Point sample
04-12-2013	**1000**	--	--	318	14.5	55	Sampler point auto	Point sample
04-12-2013	***1005***	--	--	--	--	--	*US DH-81*	*EWI*
05-01-2013	**1015**	7.7	298	293	13.1	.5	US DH-81	Multi Verticals EWT
05-01-2013	***1016***	--	--	*293*	*13.0*	*.6*	--	--
05-01-2013	***1017***	--	--	*293*	*13.0*	*.6*	--	--
05-01-2013	***1018***	--	--	*293*	*13.1*	*.5*	--	--
05-01-2013	***1019***	--	--	*293*	*13.1*	*.6*	--	--
05-01-2013	***1021***	--	--	*293*	*13.2*	*.5*	--	--
05-23-2013	**2245**	--	--	244	20.0	78	Sampler point auto	Point sample
05-24-2013	**0005**	--	--	150	20.0	64	Sampler point auto	Point sample
05-24-2013	**0135**	--	--	181	19.6	34	Sampler point auto	Point sample
06-05-2013	**1145**	--	--	263	18.8	1.5	US DH-81	Multi Verticals EWT
06-07-2013	**0100**	--	--	212	18.6	78	Sampler point auto	Point sample
06-07-2013	**0200**	--	--	73	19.4	360	Sampler point auto	Point sample
06-07-2013	**1800**	--	--	24	19.8	55	Sampler point auto	Point sample
06-08-2013	**1005**	--	--	194	18.9	14	US DH-81	EWI
06-08-2013	**1007**	--	--	E 194	E 18.8	E 27	Sampler point auto	Point sample
06-08-2013	***1024***	--	--	*193*	*18.9*	*14*	--	--
06-08-2013	***1025***	--	--	*194*	*18.9*	*14*	--	--
06-08-2013	***1026***	--	--	*194*	*18.9*	*14*	--	--
06-08-2013	***1027***	--	--	*194*	*18.9*	*14*	--	--
06-08-2013	***1028***	--	--	*194*	*18.9*	*14*	--	--
06-08-2013	***1029***	--	--	*194*	*18.9*	*14*	--	--
06-24-2013	***1140***	--	--	*> 1*	--	--	*Sampler point auto*	*Point sample*
07-02-2013	**1145**	--	--	252	22.9	1.9	US DH-81	Multi Verticals EWT
07-27-2013	**1855**	--	--	200	23.3	66	Sampler point auto	Point sample
07-27-2013	**2125**	--	--	181	22.9	39	Sampler point auto	Point sample
08-07-2013	**1130**	7.9	263	256	20.4	.4	US DH-81	Multi Verticals EWT
08-07-2013	***1131***	--	--	*256*	*20.4*	*.6*	--	--
08-07-2013	***1132***	--	--	*256*	*20.4*	*.5*	--	--
08-07-2013	***1133***	--	--	*256*	*20.4*	*.4*	--	--
08-07-2013	***1134***	--	--	*256*	*20.4*	*.4*	--	--
08-07-2013	***1136***	--	--	*256*	*20.4*	*.4*	--	--
08-13-2013	**0935**	--	--	220	23.1	35	Sampler point auto	Point sample
08-13-2013	**1205**	--	--	191	23.1	18	Sampler point auto	Point sample

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[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Suspended solids, water, unfiltered, mg/L (00530)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Chloride, water, filtered, mg/L (00940)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)	Phosphorus, water, filtered, mg/L as P (00666)
03-12-2013	1300	432	29.9	108	V .049	0.634	0.006	0.005	2.54	0.019
03-12-2013	1630	182	10.0	112	V .058	.410	.006	.006	1.03	.021
04-03-2013	1230	--	V .21	83.5	< .010	1.24	.006	< .004	.027	.004
04-12-2013	0730	92	5.48	67.9	V .015	1.02	.010	< .004	.573	.003
04-12-2013	0845	110	11.8	56.3	.113	.696	.014	.005	.905	.017
04-12-2013	1000	81	6.78	70.3	.112	.977	.017	.006	.734	.021
04-12-2013	*1005*	*80*	*8.90*	*70.0*	*.113*	*.976*	*.016*	*.004*	*.676*	*.020*
05-01-2013	1015	--	V .24	59.1	< .010	1.10	.004	< .004	< .017	.003
05-01-2013	*1016*	--	--	--	--	--	--	--	--	--
05-01-2013	*1017*	--	--	--	--	--	--	--	--	--
05-01-2013	*1018*	--	--	--	--	--	--	--	--	--
05-01-2013	*1019*	--	--	--	--	--	--	--	--	--
05-01-2013	*1021*	--	--	--	--	--	--	--	--	--
05-23-2013	2245	231	32.4	46.2	< .010	.888	.006	< .004	2.54	.006
05-24-2013	0005	--	10.6	28.0	V .014	.726	.011	< .004	.857	.015
05-24-2013	0135	49	5.03	36.5	< .010	.973	.017	< .004	.496	.012
06-05-2013	1145	--	V .40	49.0	V .037	.604	.006	.008	< .017	.015
06-07-2013	0100	224	20.9	37.6	V .021	.852	.007	.006	1.69	.013
06-07-2013	0200	568	35.7	13.7	V .033	.295	.006	.013	2.87	.028
06-07-2013	1800	56	3.36	19.5	V .034	.277	.004	.028	.310	.056
06-08-2013	1005	< 15	.95	29.4	V .033	.460	.004	.019	.160	.036
06-08-2013	1007	< 15	1.05	29.4	V .036	.446	.004	.019	.115	.039
06-08-2013	*1024*	--	--	--	--	--	--	--	--	--
06-08-2013	*1025*	--	--	--	--	--	--	--	--	--
06-08-2013	*1026*	--	--	--	--	--	--	--	--	--
06-08-2013	*1027*	--	--	--	--	--	--	--	--	--
06-08-2013	*1028*	--	--	--	--	--	--	--	--	--
06-08-2013	*1029*	--	--	--	--	--	--	--	--	--
06-24-2013	*1140*	*< 15*	--	*< .06*	*< .010*	*< .040*	*< .001*	*< .004*	--	*< .003*
07-02-2013	1145	--	V .12	47.7	< .010	1.01	.003	.005	.117	.007
07-27-2013	1855	107	9.37	34.9	.124	.978	.012	.017	.666	.031
07-27-2013	2125	43	3.16	29.3	.139	1.32	.019	.030	.350	.048
08-07-2013	1130	--	V .17	49.4	V .011	1.11	.002	.005	.101	.007
08-07-2013	*1131*	--	--	--	--	--	--	--	--	--
08-07-2013	*1132*	--	--	--	--	--	--	--	--	--
08-07-2013	*1133*	--	--	--	--	--	--	--	--	--
08-07-2013	*1134*	--	--	--	--	--	--	--	--	--
08-07-2013	*1136*	--	--	--	--	--	--	--	--	--
08-13-2013	0935	57	5.44	36.7	V .026	.754	.009	.005	.400	.016
08-13-2013	1205	25	2.04	32.9	V .015	1.06	.008	.013	.210	.023

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[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Total nitrogen, water, unfiltered, mg/L (00600)	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL (50468)	Total coliform, Defined Substrate Technology, water, MPN/100 mL (50569)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
03-12-2013	**1300**	0.48	1.98	4.5	1,300	39,000	87	568	301
03-12-2013	**1630**	.31	1.03	2.1	2,100	73,000	97	300	67
04-03-2013	**1230**	< .01	1.41	1.4	22	460	--	1	.02
04-12-2013	**0730**	.03	1.19	1.8	300	7,300	77	121	11
04-12-2013	**0845**	.15	1.14	2.0	3,700	110,000	91	169	36
04-12-2013	**1000**	.12	1.54	2.3	4,700	58,000	95	94	13
04-12-2013	***1005***	*.12*	*1.56*	*2.2*	*5,800*	*77,000*	*95*	*144*	*20*
05-01-2013	**1015**	< .01	1.28	< 1.3	120	2,400	--	2	.04
05-01-2013	***1016***	--	--	--	--	--	--	--	--
05-01-2013	***1017***	--	--	--	--	--	--	--	--
05-01-2013	***1018***	--	--	--	--	--	--	--	--
05-01-2013	***1019***	--	--	--	--	--	--	--	--
05-01-2013	***1021***	--	--	--	--	--	--	--	--
05-23-2013	**2245**	.18	1.11	3.6	15,000	> 240,000	85	329	64
05-24-2013	**0005**	.16	1.26	2.1	11,000	> 240,000	88	124	19
05-24-2013	**0135**	.11	1.53	2.0	14,000	> 240,000	94	57	6.9
06-05-2013	**1145**	.02	.95	< .96	140	> 2,400	82	3	.05
06-07-2013	**0100**	.23	1.45	3.1	7,000	> 240,000	78	329	96
06-07-2013	**0200**	.47	.90	3.8	14,000	> 240,000	74	781	742
06-07-2013	**1800**	.12	1.67	2.0	8,800	> 240,000	81	76	30
06-08-2013	**1005**	.07	1.08	1.2	3,500	77,000	94	12	.75
06-08-2013	**1007**	.06	1.35	1.5	2,400	98,000	93	15	.93
06-08-2013	***1024***	--	--	--	--	--	--	--	--
06-08-2013	***1025***	--	--	--	--	--	--	--	--
06-08-2013	***1026***	--	--	--	--	--	--	--	--
06-08-2013	***1027***	--	--	--	--	--	--	--	--
06-08-2013	***1028***	--	--	--	--	--	--	--	--
06-08-2013	***1029***	--	--	--	--	--	--	--	--
06-24-2013	***1140***	*< .01*	*< .05*	--	*< 1*	*< 1*	*25*	*< .5*	--
07-02-2013	**1145**	.02	1.16	1.3	140	10,000	100	2	.03
07-27-2013	**1855**	.19	4.70	5.4	--	--	87	158	15
07-27-2013	**2125**	.10	2.15	2.5	--	--	94	68	2.6
08-07-2013	**1130**	.01	2.43	2.5	72	6,100	--	1	.01
08-07-2013	***1131***	--	--	--	--	--	--	--	--
08-07-2013	***1132***	--	--	--	--	--	--	--	--
08-07-2013	***1133***	--	--	--	--	--	--	--	--
08-07-2013	***1134***	--	--	--	--	--	--	--	--
08-07-2013	***1136***	--	--	--	--	--	--	--	--
08-13-2013	**0935**	.10	1.15	1.5	24,000	> 240,000	59	105	9.6
08-13-2013	**1205**	.06	1.89	2.1	13,000	> 240,000	55	55	2.4

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 9 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Discharge, instanta-neous, ft³/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)
08-13-2013	**2005**	Surface water	Regular	--	--	78	8.2	7.4
09-05-2013	**1200**	Surface water	Regular	--	--	1.3	8.8	7.4
09-05-2013	***1201***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.4*
09-05-2013	***1202***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.4*
09-05-2013	***1203***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.4*
09-05-2013	***1204***	*QC sample - Surface water*	*Other QA*	--	--	--	*8.8*	*7.4*

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 10 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	pH, water, unfiltered, laboratory, standard units (00403)	Specific conduc-tance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)	Turbidity, water, unfiltered, mono-chrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Sampler type (84164)	Sampling method (82398)
08-13-2013	**2005**	--	--	142	23.4	240	Sampler point auto	Point sample
09-05-2013	**1200**	--	--	259	20.5	.5	US DH-81	Multi Verticals EWT
09-05-2013	***1201***	--	--	*259*	*20.6*	*.7*	--	--
09-05-2013	***1202***	--	--	*259*	*20.5*	*.6*	--	--
09-05-2013	***1203***	--	--	*259*	*20.5*	*.3*	--	--
09-05-2013	***1204***	--	--	*259*	*20.5*	*.3*	--	--

01649190 PAINT BRANCH NEAR COLLEGE PARK, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 11 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Suspended solids, water, unfiltered, mg/L (00530)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Chloride, water, filtered, mg/L (00940)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophos-phate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)	Phos-phorus, water, filtered, mg/L as P (00666)
08-13-2013	**2005**	365	29.4	22.8	V .063	0.581	0.005	0.009	2.04	0.019
09-05-2013	**1200**	--	.33	47.7	< .010	.611	.002	.004	< .017	.005
09-05-2013	***1201***	--	--	--	--	--	--	--	--	--
09-05-2013	***1202***	--	--	--	--	--	--	--	--	--
09-05-2013	***1203***	--	--	--	--	--	--	--	--	--
09-05-2013	***1204***	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 12 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than; >, greater than; E, estimated; V, value affected by contamination]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Total nitrogen, water, unfiltered, mg/L (00600)	Esche-richia coli, Defined Substrate Tech-nology, water, MPN/100 mL (50468)	Total coliform, Defined Substrate Technology, water, MPN/100 mL (50569)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concen-tration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
08-13-2013	**2005**	0.41	1.35	3.4	14,000	> 240,000	72	619	130
09-05-2013	**1200**	.01	.67	< .69	--	--	--	3	.01
09-05-2013	***1201***	--	--	--	--	--	--	--	--
09-05-2013	***1202***	--	--	--	--	--	--	--	--
09-05-2013	***1203***	--	--	--	--	--	--	--	--
09-05-2013	***1204***	--	--	--	--	--	--	--	--